BenQ

Joybook
R48 Series
User Manual

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It is the sole responsibility of the user if problems (such as data loss and system failure) occurred due to non-factory installed software, parts, and/or non-original accessories.

Joybook models covered by this manual

This manual contains the information about the following Joybook model:

• Joybook R48 Series (DH1401)

Please note that the actual hardware or software capabilities will vary according to the model you purchased. To determine your Joybook model, refer to the label on the packing box, or the printing on your Joybook.

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Overview

About this book

This book provides you the main information about various components in your Joybook and demonstrates how to use them. The following are the major chapters of this book.

Chapter title	Description
Overview	Introduction to this book
Getting started	Information about beginning to use your Joybook
Touring your Joybook	Introduction to the hardware components of your Joybook
Getting started with Windows 7	Basic information about Windows 7
Using your Joybook	Basic and advanced information about operating your Joybook
Using BIOS setup	Information about how to use the BIOS setup utility
Recovering your system using QDataTrove	Information about using system backup and restore tools
Upgrading or replacing the memory	Information on how to add or replace memory modules
FAQ and troubleshooting	Information about frequently asked questions and troubleshooting
Cleaning and battery maintenance	Information about cleaning and battery maintenance
Service and support	Information about Joybook service and support
Appendix	Important safety information

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Typographics

The usage of notes, tips, and warnings in this manual is specifically for different purposes, which are described as follows:

Icon/ Symbol	Item	Meaning
	Warning	Information mainly to prevent the damage to components, data, or personal injury caused by misuse and improper operation or behavior.
	Tip	Useful information for completing a task.
	Note	Supplementary information.
< > or [ ]	Keys on the keyboard; User Interface (UI) on the screen	Indicates a key on the keyboard, or the UI on the screen. Do not actually type the symbols together with the enclosed letters.

When you first set up your Joybook, you may want to find more information on setups. Refer to the user manual that is supplied with your operating system, or search from **Help and Support** in the **Start** menu in Windows 7.

In this book, the steps needed to reach a menu are shown in condensed form, for example: **Start** > **Help and Support**. The **Control Panel** options mentioned are organized by the default category view.

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Getting started

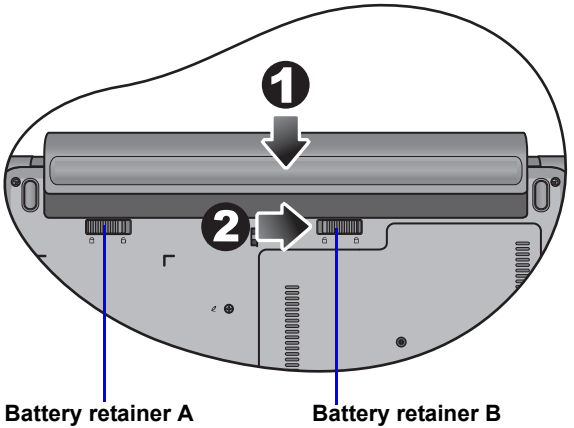
Depending on the model of your Joybook, the appearance may be different from the illustrations shown in this manual.

Package contents

Before using your Joybook for the first time, please check if you have all the items with you. For details about what should be included in the package, refer to the Product Specification label on the product carton. If any of the items are missing or appear damaged, contact your dealer immediately. Save the packaging in case you need to ship your Joybook for service.

Getting your Joybook ready for use

1. Installing the battery pack



Close the lid of your Joybook (if open). Turn your Joybook upside down and place it on a soft clean cloth. With the label side of the battery pack facing down, slide it gently into the battery compartment until it snaps into place (1). Move the Battery retainer B to the other end as shown by the arrow to lock the battery pack into place (2).

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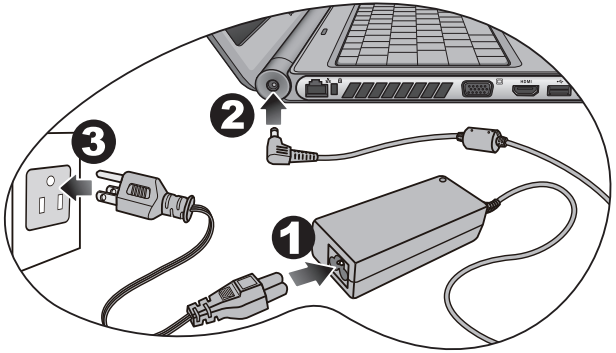
2. Connecting the power



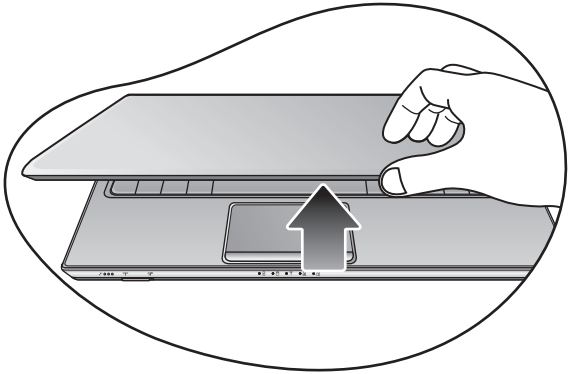
a. Connect the power cord to the power adapter.

b. Connect the power adapter to the power jack on your Joybook.

c. Connect the power cord to a power outlet. The Joybook will automatically start charging the battery.

- The battery pack is shipped with low charge from the factory. You can still use your Joybook while the battery is charging.
- Power systems and plug types may vary depending on your country/region.
- For details about the colors and meanings of the indicators, refer to "Indicators" on page 16.

3. Opening your Joybook



Gently lift up the latchless lid that allows you to open the case easily.

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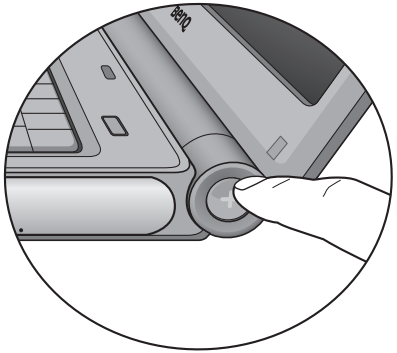
4. Performing initial setup



Press the Power button to start up your Joybook, the Power button indicator then lights up in blue. And then follow the on-screen instructions to complete the initial Windows 7 setup.

- Your Joybook works best with Windows 7. Installing other operating systems that have not been tested is not recommended, and may not only void your warranty but also affect the functionality of your Joybook.
- The actual operating system that comes with your Joybook may vary. For details, refer to the Product Specification label on the product carton

Important:

It is strongly recommended to create Factory Recovery DVD immediately once your Joybook is ready for use. Refer to "Creating a Factory Recovery CD/DVD" on page 49 for details.

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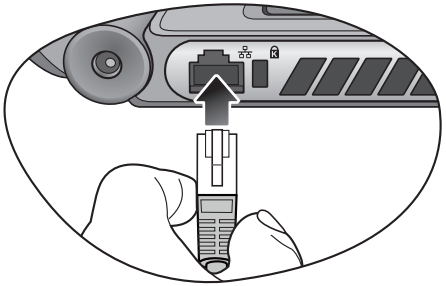
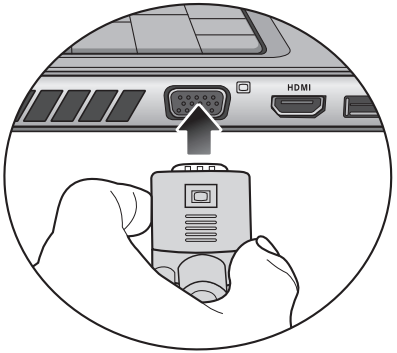
Expanding the capabilities of your Joybook

Pay attention to the plug direction when making the following connections. Incorrect direction may cause damage to the device.



Access local area network (LAN) by connecting a network cable to the LAN port of your Joybook.



Connect an external display device (such as a monitor or projector) to the 15-pin D-sub video jack of your Joybook with a VGA cable.

To switch to the external display device or simultaneous display, press the <Fn> + <F3> hotkey combination.

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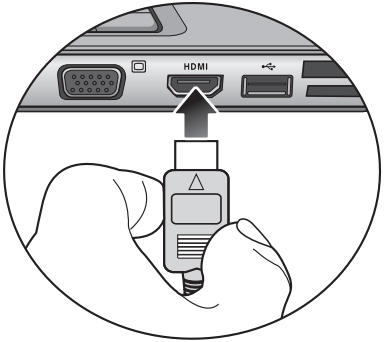
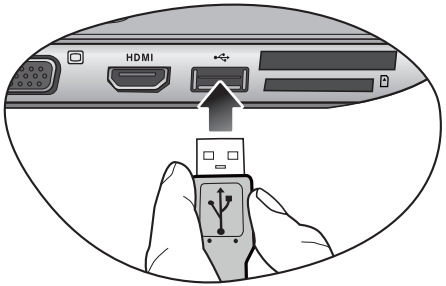
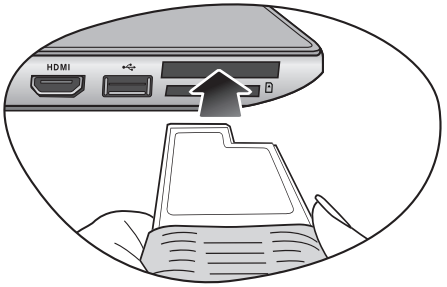


Connect a separate audio or video device that has an HDMI interface, such as an HDMI-capable display device, projector, AV receiver, or any compatible device.

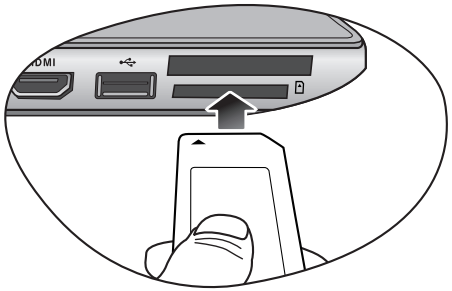
For details, refer to "HDMI-output port (Version 1.3a; Type A connector)" on page 13 and "Using the HDMI-output port" on page 32.



Connect USB peripherals to the USB port(s) of your Joybook.



Insert an ExpressCard/34 module or ExpressCard/54 module to further expand the capabilities of your Joybook.



Insert an SD, MMC, MS, or MS Pro memory card by following the direction indicated on the card to exchange files.

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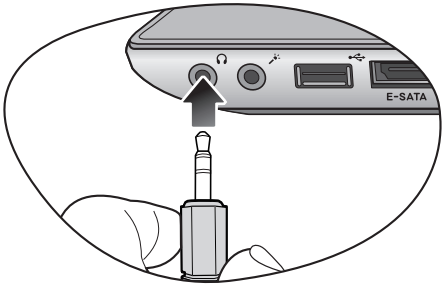
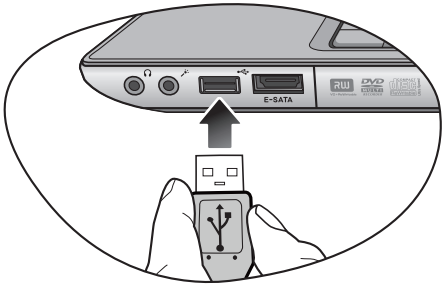
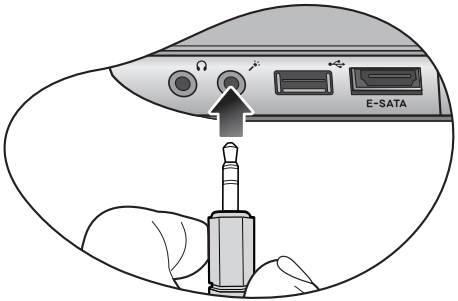


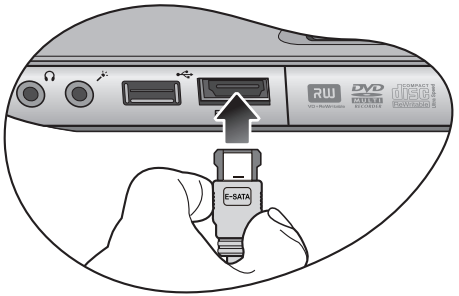
Connect an earphone to the audio output jack to output sounds.



Connect USB peripherals to the USB port(s) of your Joybook.



Connect a microphone to the microphone input jack to record sounds.



Connect an external hard disk or a device that has an eSATA/USB interface to the eSATA/USB port of your Joybook.

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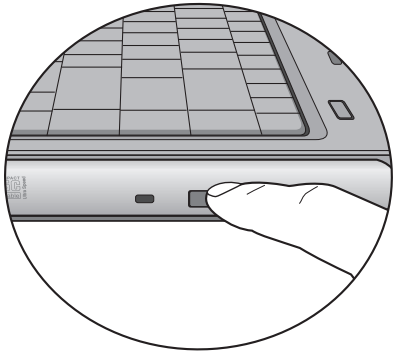

Use the optical drive to access data on various kinds of discs and enjoy movies or music.

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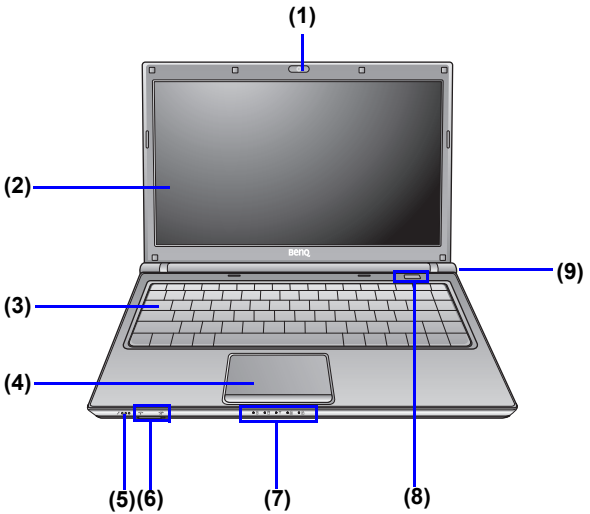
Touring your Joybook

Front view



No.	Front components
(1)	**Built-in webcam** A built-in webcam that allows you to capture still images, record videos, and chat online. For details, refer to "Using the built-in webcam" on page 37.
(2)	**LCD (Liquid Crystal Display) panel**
(3)	**Keyboard**
(4)	**Touchpad** Refer to "Using the touchpad" on page 19 for details.
(5)	**Built-in microphone** Receives sounds and voices for recording.
(6)	**Wireless LAN (WLAN) / Bluetooth switch** Turns on/off Wireless LAN or Bluetooth. Every time you power on the Joybook, Joybook automatically sets to the state of Wireless and Bluetooth the last time you used the Joybook.

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(7)	**Indicators** Refer to "Indicators" on page 16 for details.
(8)	**Save brightness** Toggles between the lowest visible brightness and the previously saved brightness.
(9)	**Power button** Turns your Joybook on or off. • When the system is on, it lights up in blue. • When the system is in Sleep mode, it flashes in blue. • When the system is off or in Hibernation mode, the light goes off.

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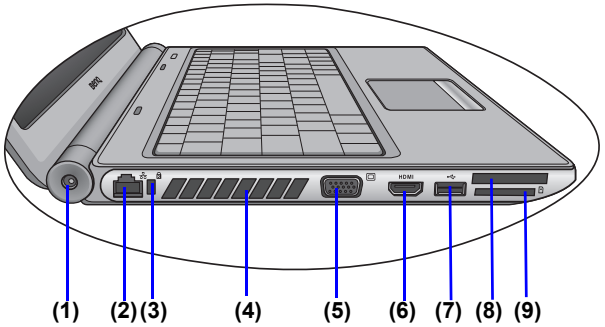
Left side view



No.	Left-side components
(1)	**Power jack** Connects AC power supply to power the Joybook and charge the battery.
(2)	**LAN (Local Area Network) port (RJ-45 connector)** Allows the Joybook to connect to a 10/100Mbps fast Ethernet 100BASE-T network. ⚠ Please be careful to avoid plugging a RJ-11 phone cable connector in the RJ-45 port. This will damage the LAN port. They look similar, but the RJ-45 connector is wider than the RJ-11 connector, and has more conductors.
(3)	**Kensington lock** You can attach an anti-theft Kensington lock and cable to this slot to help prevent possible theft.
(4)	**Vents** Dissipate heat and keep your Joybook at an optimal temperature. ⚠ To prevent overheating, do not obstruct the vents. For example, do not use the Joybook in bed where a blanket may inadvertently cover the vents and block the airflow.
(5)	**15-pin D-sub video jack** Connects external display devices, such as monitors and projectors.

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(6) HDMI-output port (Version 1.3a; Type A connector)

HDMI (High-Definition Multimedia Interface) is the digital interface standard for connecting high-definition (HD) consumer electronics components, which enhances the quality of your HD experience.

With this HDMI-output port, you can connect a separate audio or video device that has an HDMI interface, such as an HDMI-capable display device, projector, AV receiver, or any compatible device.

- You need an HDMI cable (purchased separately) to connect your Joybook to an HDMI-capable device. For details about the connection, refer to "Using the HDMI-output port" on page 35.
- HDMI version is specific to the device, not the cable being used. When connecting two devices together, versions are backwards compatible but only the lowest version will be able to be used.
- Be aware that HDMI input must be HDCP-compliant to be displayed.

(7) USB port

Connects peripherals such as mice, digital cameras and MP3 players that use the USB 2.0 interface.

(8) ExpressCard slot

This ExpressCard slot accepts two formats of the standard ExpressCard modules: ExpressCard/34 and ExpressCard/54. The ExpressCard/34 module is characterized by its 34 mm width, and the ExpressCard/54 module is characterized by its 54 mm width. You can use an ExpressCard to further expand the capabilities of your Joybook.

Insert an ExpressCard into the slot following the direction indicated on the card and complete related driver settings.

(9) Four-in-One memory card slot

For an SD, MMC, MS, or MS Pro memory card.

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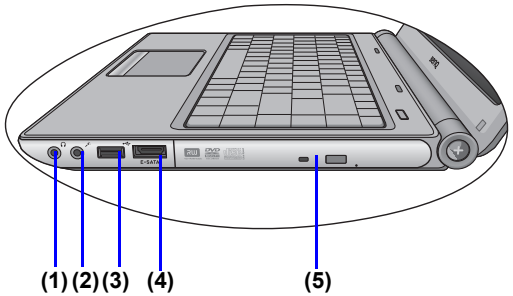
Right side view



No.	Right-side components
(1)	**Audio output jack** Connects to an earphone/headset or external speaker for playing the Joybook audio.
(2)	**Microphone input jack** Connects to a microphone for recording sounds. This jack is for 3.5mm analog audio plugs. It accepts both mono and stereo plugs.
(3)	**USB port** Connects peripherals such as mice, digital cameras and MP3 players that use the USB 2.0 interface.
(4)	**eSATA port** Connects an external hard disk or a device that has an eSATA interface to the eSATA port of your Joybook.
(5)	**DVD Super-Multi drive (varying by model)** The type of the optical drive varies by model, and the support of disc types depends on the optical drive that comes with your Joybook. Supports multi-functional optical module for reading music CDs, VCDs and DVDs or burning CD-R/CD-RW, DVD+R/DVD-R/DVD+RW/DVD-RW or DVD-RAM (optional) discs. Discs can be inserted/ejected by pressing the small ejection button on the drive.

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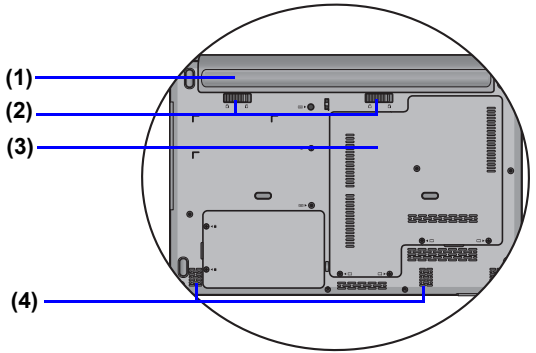
Bottom view



No.	Bottom components
(1)	**Battery pack** Supplies power to the Joybook when external power is not connected.
(2)	**Battery retainers** Secure the battery in place.
(3)	**Memory expansion slot cover** Inside the cover, you can find the memory slot of the Joybook. • To remove the cover, a small Phillips head screwdriver is required. • For more information about adding additional memory, the limit of maximum memory, or the types of BenQ certified memory modules for your Joybook, refer to "Upgrading or replacing the memory" on page 53.
(4)	**Speakers** Produces sounds from multimedia files or the operating system.

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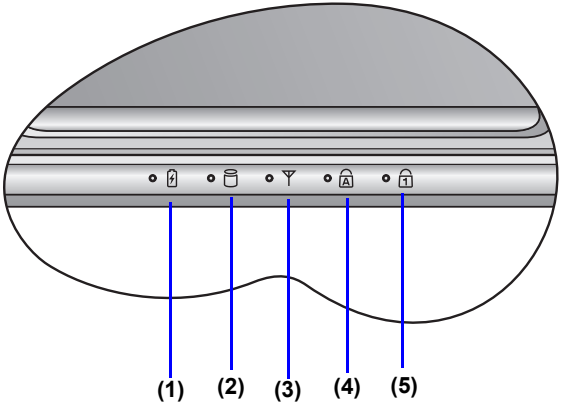
Indicators



No.	Indicators
(1)	**Battery indicator** • When the battery is charging, it lights up in amber. • When the battery is fully charged, it goes off. • When the power source is the battery, it lights up in blue. • When the battery is running low, it flashes in blue. • When the battery has problems, it flashes in amber.
(2)	**Hard disk activity indicator** Flashes in blue when the Joybook is accessing data in the hard disk.
(3)	**Wireless LAN (WLAN) / Bluetooth indicator** • When both WLAN or Bluetooth are turned on, it lights up in purple. • When WLAN is turned on, it lights up in blue. • When Bluetooth is turned on, it lights up in amber. • When both WLAN and Bluetooth are turned off, it goes off.
(4)	**Caps Lock indicator** Lights up in blue when the <CapsLock> key is enabled.
(5)	**Num Lock indicator** Lights up in blue when the <Num LK> key is enabled.

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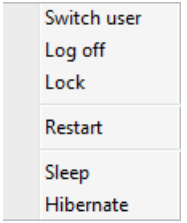
Getting started with Windows 7

If you are using Windows 7 on your Joybook, you may want to find information about the following topics. Refer to the user manual that is supplied with your operating system, or search from **Help and Support** in the **Start** menu.

- How to set the system region settings, date, and time.
- How to set system administrator and user security logins and settings.
- How to install, setup and run anti-virus software.
- How to name the computer for network identification.
- How to connect to a local network wirelessly or by cable.
- How to connect to another computer over a network and share files.
- How to connect with a network or shared printer.
- How to connect to the Internet.
- How to register Windows and other packaged software.
- How to update Windows with the latest service packs and security patches.
- How to synchronize the system clock with an Internet time server.
- How to locate, download, and install latest system device drivers.
- How to setup scheduled events for system maintenance.

Turning off Joybook properly or selecting other options

To turn off Joybook, click **Start** > Shut down. You can also click ▶ to the right of Shut down and choose other options as shown below:



Alternatively, you can customize power settings using the steps below:

1. Right-click the battery meter icon (or) in the notification area located in the lower right corner of the desktop, and then click **Power Options**.
2. On the **Select a power plan** screen, click **Change plan settings** under the selected plan.
3. Click **Change advanced power settings**.
4. On the **Advanced settings** tab, double-click **Power buttons and lid** to expand this category.

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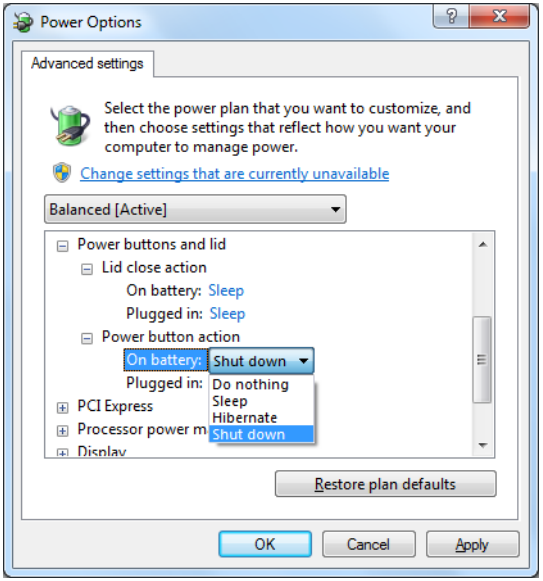
5. Double-click **Lid close action** and **Power button action** to expand these items.
6. To specify the action to take when you close the lid of your Joybook or press the Power button, click **On battery** or **Plugged in**, and then select the desired setting from the drop-down list.

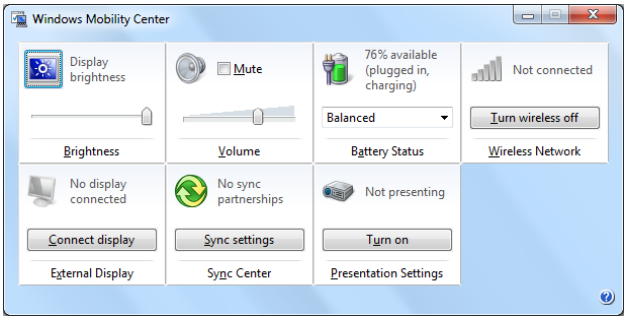


Using Windows Mobility Center

Windows Mobility Center is a convenient location where you can quickly access your Joybook's settings, such as volume, battery status, and wireless network, etc.

To open Windows Mobility Center, press the + <X> hotkey combination, or do one of the following:

- Click **Start** > **Control Panel** > **Adjust commonly used mobility settings** (under **Hardware and Sound**).
- Right-click the battery meter icon (or) in the notification area located in the lower right corner of the desktop, and then click **Windows Mobility Center**.



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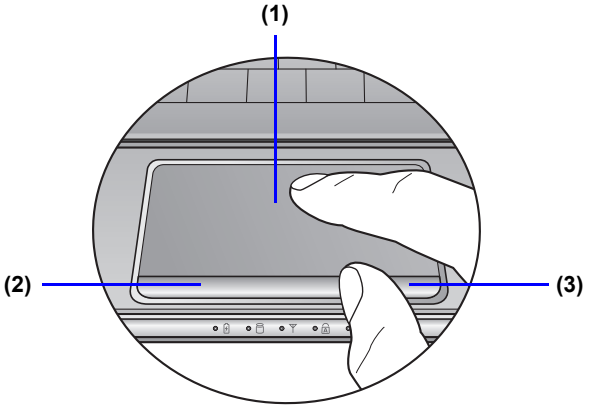
Using your Joybook

Using the touchpad



The touchpad with its buttons is a pointing device that functions as an optional external mouse, which can perform navigation, scrolling and selection functions. The components of the touchpad are described as follows.

No.	Component	Function
(1)	Touchpad	Moves the pointer, selects or activates items on the screen.
(2)	Left touchpad button	Equivalent to the left button of an optional external mouse.
(3)	Right touchpad button	Equivalent to the right button of an optional external mouse.

- To use the touchpad as an optional external mouse, press the left and right touchpad buttons, which provide the same click functions as an external mouse does.
- To move the pointer, place your finger with slight pressure on the touchpad and move in the direction as desired.

Do not use a pen, pencil, or marker on the touchpad. Use only your fingertip.

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Function	Left touchpad button	Right touchpad button	Touchpad
Select	Click once.	--	Tap once.
Execute	Click twice quickly.	--	Tap twice quickly.
Drag	Click once and hold the item, and then use your finger on the touchpad to drag.	--	Tap twice quickly and hold the item, and then move your finger on the touchpad to drag.
Display the contextual menu	--	Click once.	--

- The touchpad is a pressure sensitive device that requires proper care to avoid damage.
- Do not rest heavy objects on the touchpad or its buttons.
- Do not scratch the touchpad with sharp-pointed objects or your fingernails.

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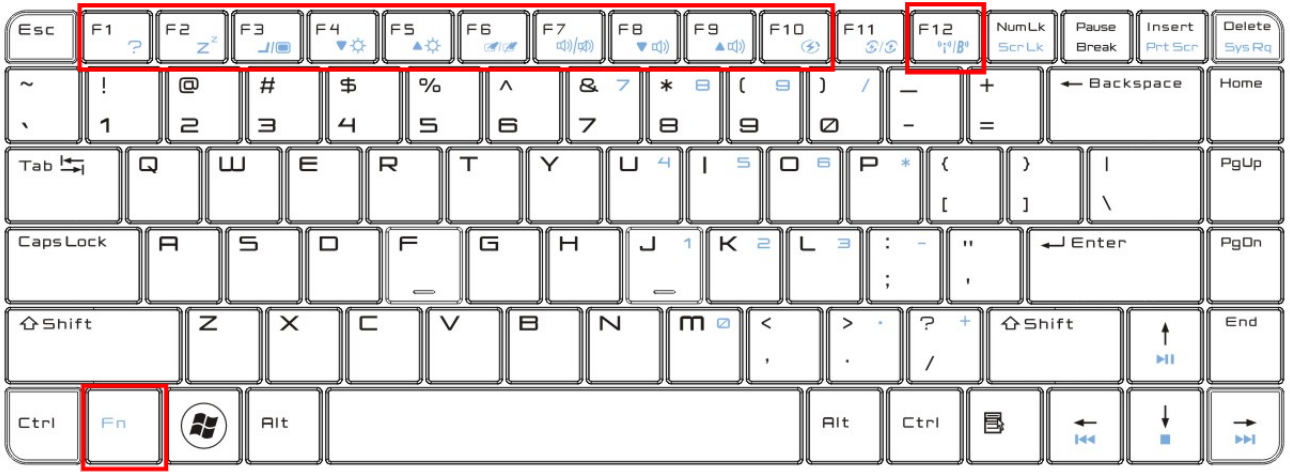
Using the keyboard

Function hotkeys

You can use the function hotkeys to access commonly used functions or make quick settings. To use the hotkeys, press and hold the <Fn> (Function) key at the lower left corner of the keyboard, and then press the desired hotkey (highlighted below in red).



The appearance of the keyboard legend may vary depending on the country/region of your purchase.

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Function hotkey	Description	Function hotkey	Description
<Fn> + <F1>	Shows a quick reference of each function hotkey.	**<Fn> + <F2>**	Puts your Joybook into the Sleep mode.
<Fn> + <F3>	Switches display between your Joybook LCD and an external display device (such as a monitor or projector; via D-sub or HDMI), or allows simultaneous display. The display mode can be LCD, LCD + D-sub, D-sub, LCD + HDMI, or HDMI. ☞ Make sure an external display device (such as a monitor or projector) has been connected to your Joybook properly before using this hotkey combination.	**<Fn> + <F4>**	Decreases screen brightness.
<Fn> + <F5>	Increases screen brightness.	**<Fn> + <F6>**	Activates or deactivates the touchpad.
<Fn> + <F7>	Activates or deactivates the speakers.	**<Fn> + <F8>**	Decreases volume.
<Fn> + <F9>	Increases volume.	**<Fn> + <F10>**	Activates Windows Mobility Center.
<Fn> + <F12>	Toggles among the following three states: • Wireless and Bluetooth are on. • Wireless is on and Bluetooth is off. • Wireless is off and Bluetooth is on.		

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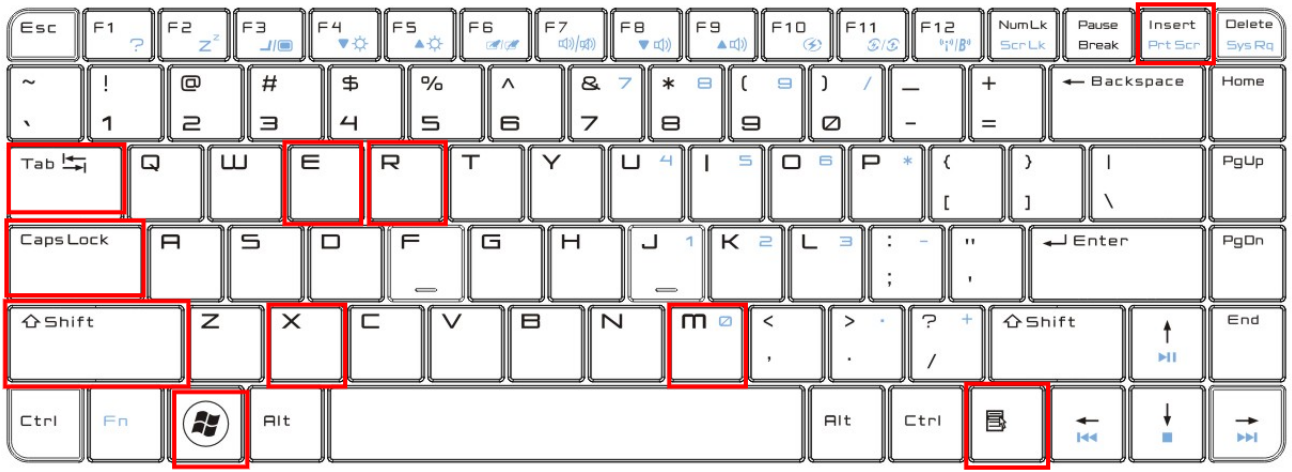
Windows key shortcuts and other keys

You can access features of the Windows operating system quickly using Windows key combinations. To use the shortcut combinations, press and hold the Windows key, and then press the other shortcut key (highlighted below in red).



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Function hotkey	Description	Function hotkey	Description
	Windows key Provides quick access to the **Start** menu.	**+ <R>**	Activates the **Run** dialog box.
+ <X>	Opens/closes Windows Mobility Center.	**+ <E>**	Opens the **Computer** window for browsing disks and files.
+ <M>	Minimizes all open windows that contain **Minimize** buttons.	**<Shift> +** **+ <M>**	Cancels minimization of all windows.
<Alt> + <Tab>	Switches between windows.	**<CapsLock>**	Capitalizes all text entered.
<Prt Sc>	Copies a bitmap image of the current entire screen to your clipboard, which can be inserted into documents as a screenshot, or pasted into a graphics software, such as Microsoft Paint.	**<Ins>**	Switches between text insert mode and text overtype mode.
Application key	Provides the same function as the right touchpad button, displaying a contextual pop-up menu.		

For more information about Windows key shortcuts, refer to **Start** > **Help and Support** in Windows 7.

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Using built-in wireless connectivity

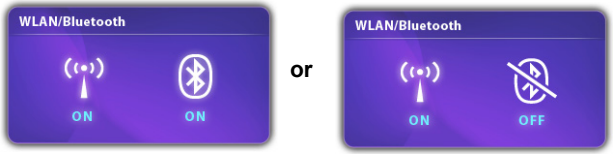
With the built-in wireless connectivity of your Joybook, you can access other wireless network enabled devices (such as Access Point network stations, Notebook computers, Personal Digital Assistants, or digital projectors) wirelessly without the constraints of network cables.

To connect with a Local Area Network (LAN) at home or in the office, you need the details of an access point, which serves as an air station to make transmission possible. Outdoors in places such as in coffee shops or library, you can inquire the service personnel about an account.

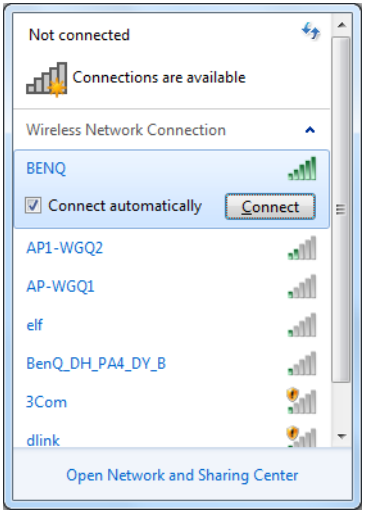
- Wireless LAN (WLAN) may not be available on some models.
- WLAN connectivity has limited range, depending upon the equipment being used, the chosen frequency band, radio-wave interference, and the physical landscape (including building structure). Circumstances will vary depending upon your particular situation.

Connecting to a wireless network

1. Make sure you are located within the wireless network service area.
2. Enable WLAN by pressing <Fn> + <F12> and selecting either one of the following states.



3. Click the WLAN icon in the notification area (located at the lower right corner of the desktop). A list of available wireless networks will be displayed.



4. Choose a network and then click **Connect**. If security authentication is not required by the network you are using,

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there will be a successful message showing that you have connected to the network.

- To connect to some networks that require security authentication, you may have to undergo another authorization process and enter username and password. For details, please consult your network administrator.
- For more information, refer to **Start** > **Help and Support** in Windows 7.

- For data security, it is strongly recommended to connect to security-enabled wireless networks whenever possible.
- When travelling by air, please be sure to turn off wireless networking to avoid any possible risks to flight safety.

There is another way for the Joybook to connect with a network. See "LAN (Local Area Network) port (RJ-45 connector)" on page 12.

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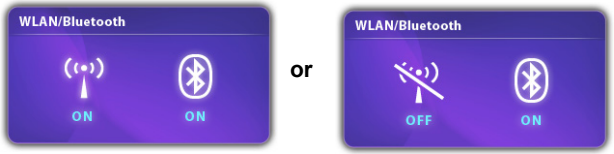
Using Bluetooth (optional accessory)

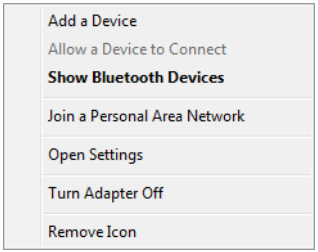
The Bluetooth function allows you to get connected to various devices and services that support Bluetooth transmission. You can connect wirelessly without the need for data cables when printing documents, synchronizing your Personal Information Management (PIM) data with your Personal Digital Assistant (PDA) or another Personal Computer (PC), mobile phone or even sharing a network connection.

Connecting to a Bluetooth device

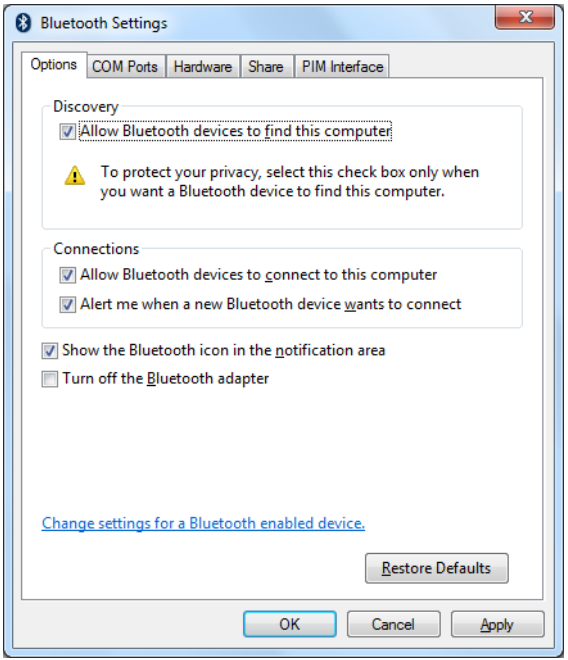
1. Enable Bluetooth by pressing <Fn> + <F12> and selecting either one of the following states.



2. Right-click in the notification area (located at the lower right corner of the desktop or clicking to access from the hidden icons) and select **Open Settings**.



3. In the **Options** tab, select **Allow Bluetooth devices to find this computer**, and click **OK**. So, other Bluetooth devices can find your Joybook and make the Bluetooth connection.


Bluetooth Settings
Options
COM Ports
Hardware
Share
PIM Interface
Discovery
Allow Bluetooth devices to find this computer
To protect your privacy, select this check box only when you want a Bluetooth device to find this computer.
Connections
Allow Bluetooth devices to connect to this computer
Alert me when a new Bluetooth device wants to connect
Show the Bluetooth icon in the notification area
Turn off the Bluetooth adapter
Change settings for a Bluetooth enabled device.
Restore Defaults
OK
Cancel
Apply

You also need to activate the Bluetooth connection feature of the device that you want to connect to.

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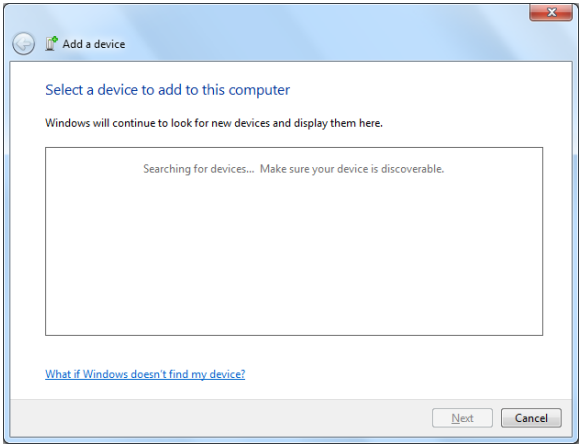
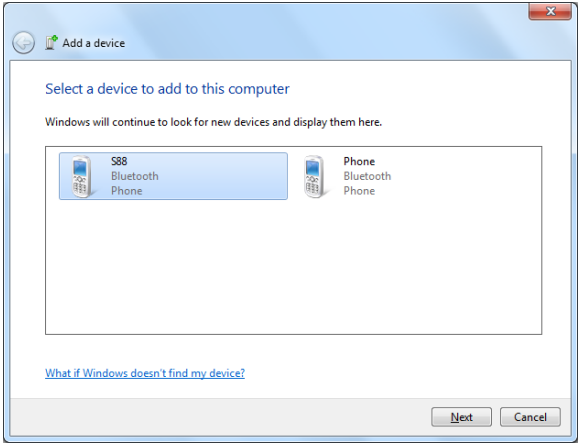
4. Right-click and select **Add a Device**. Wait for a while and the found active Bluetooth devices will show.

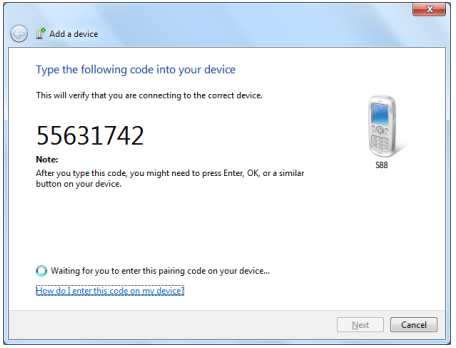

Add a device
Select a device to add to this computer
Windows will continue to look for new devices and display them here.
Searching for devices... Make sure your device is discoverable.
What if Windows doesn't find my device?
Next
Cancel

- For details about how to activate the device's Bluetooth function, please refer to its documentation.
- The maximum effective range of connection between your Joybook and the Bluetooth device is about 10 meters.

5. Select a Bluetooth device and click **Next**.



6. Windows generates a random code number shown on the screen. Type in this code number into the Bluetooth device your Joybook is trying to connecting to.


Add a device
Type the following code into your device
This will verify that you are connecting to the correct device.
55631742
Note:
After you type this code, you might need to press Enter, OK, or a similar button on your device.
S88
Waiting for you to enter this pairing code on your device...
How do I enter this code on my device?
Next
Cancel

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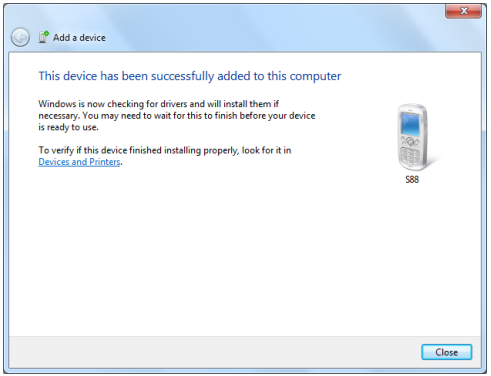
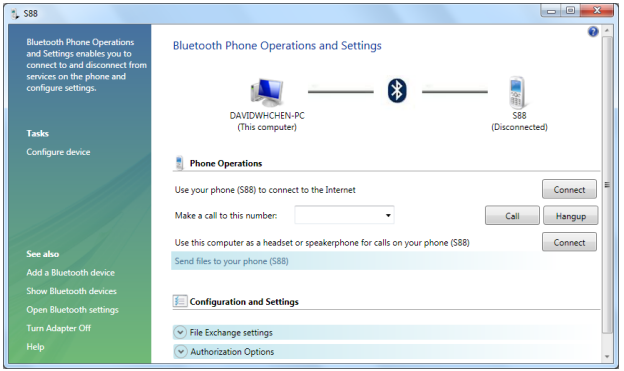
7. Once the Bluetooth device is connected to your Joybook, the following dialog box shows. Click **Close**. Meanwhile, another dialog box (also shown below) opens and provides more options (available options may vary depending on the type of the Bluetooth device).


Add a device
This device has been successfully added to this computer
Windows is now checking for drivers and will install them if necessary. You may need to wait for this to finish before your device is ready to use.
To verify if this device finished installing properly, look for it in Devices and Printers.
S88
Close



- The code number is used for pairing and identifying Bluetooth devices.
- The code entered on your device and another device with Bluetooth connectivity must be identical.
- If you have not entered the required code number after a while, the connection will be cancelled for security concern. Click **Back** and enter the code number again.

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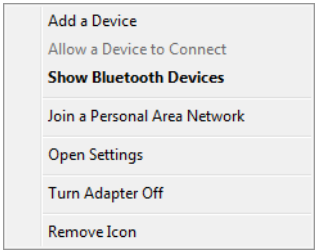
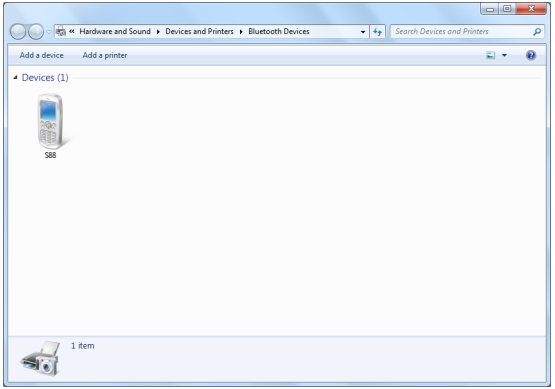
Sending a file to a Bluetooth device

If your Bluetooth device is capable of sending and receiving data, such as a mobile handset, you can use the Bluetooth connectivity to transfer data wirelessly between your Bluetooth device and Joybook.

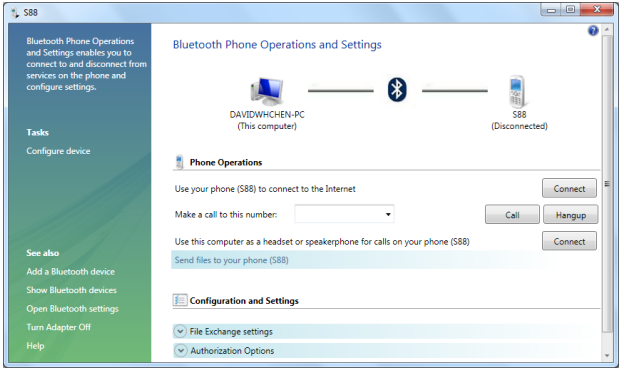
1. Right-click and select **Show Bluetooth Devices**.



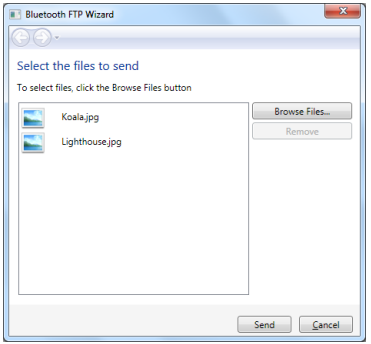
2. In this example, double-click the **S88** icon (the S88 handset can transfer data via Bluetooth).



3. Click **Send files to your phone (S88)**.



4. Click **Browse Files** to select files to transfer, and then click **Send**.



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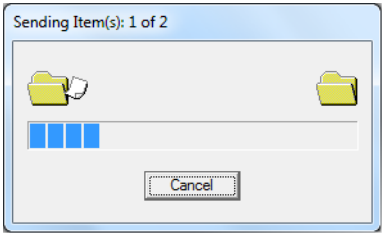
5. The selected files are now sending to the S88 handset. Once the transfer is done, the **Sending Items** dialog box will automatically close.



The example shown above is specifically for connecting to a mobile handset. When connecting to other types of a Bluetooth device, the steps may vary.

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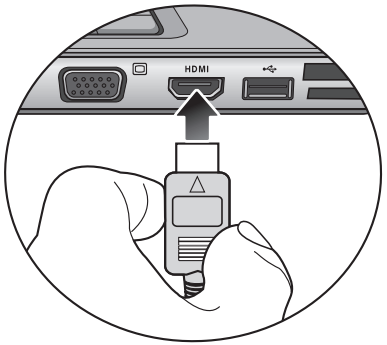
Using the HDMI-output port

HDMI supports uncompressed video data transmission between compatible devices. With the HDMI-output port on your Joybook, you can connect a separate audio or video device that has an HDMI interface, such as an HDMI-capable display device, projector, AV receiver, or any compatible device.

To make the connection, you need to purchase an HDMI cable separately, available in most electronics stores.

To connect an audio or video device that has an HDMI interface to the HDMI-output port on your Joybook:

1. Plug one end of an HDMI cable to the HDMI-output port on your Joybook.



2. Connect the other end of the HDMI cable to the HDMI-input port on your audio or video device.

   Also refer to the documentation that came with your device for instructions.

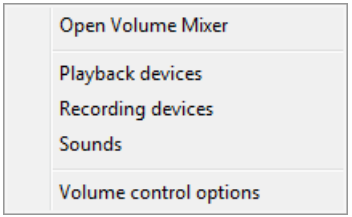
3. If you connect your Joybook to an HDMI-capable LCD TV or projector, the image will be displayed on your Joybook and the connected device simultaneously.

   To switch the image between your Joybook and the connected device, press the <Fn> + <F3> hotkey combination.

When connecting to an HDMI-capable LCD TV or LCD monitor

If you have connected your Joybook to an HDMI-capable LCD TV (with built-in speakers and an HDMI cable), the audio output will be automatically set to this HDMI device.

You can check the status by right-click the Speakers icon in the notification area located in the lower right corner of the desktop, and then click **Sounds**.



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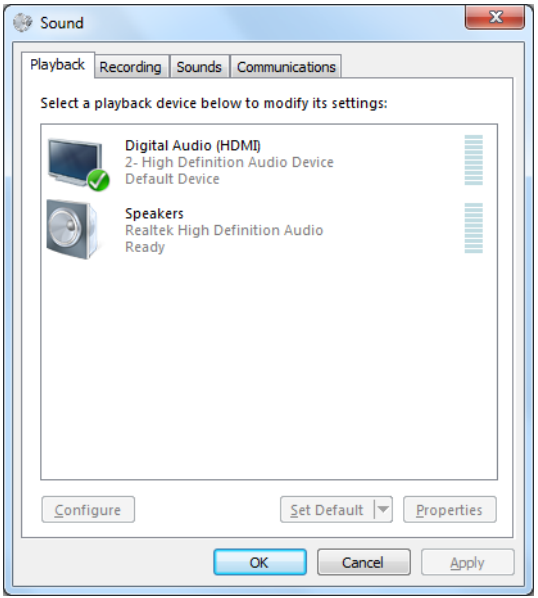
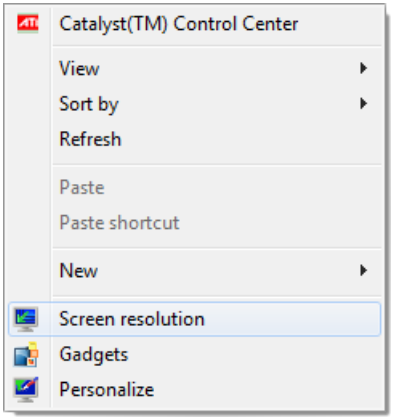


Adjusting the video output

The screen resolution of your Joybook may not be supported on your connected HDMI-capable LCD TV. Therefore, you may encounter situations like a blank or flickering screen. To fix the problem, refer to the documentation that came with your TV, or try to adjust the screen refresh rate of your Joybook by following the steps below.

1. Right-click on the desktop, and then select **Screen resolution**.



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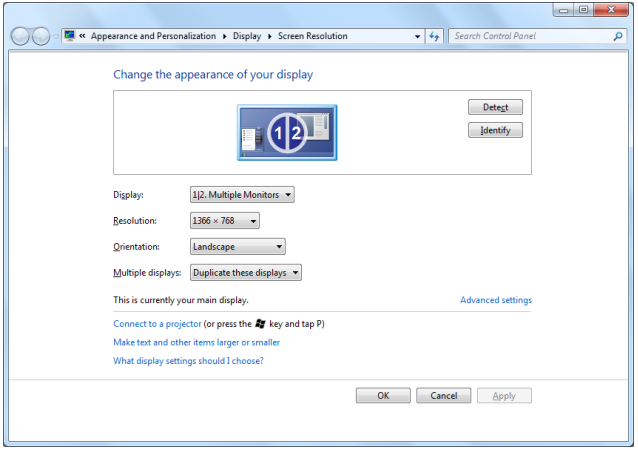
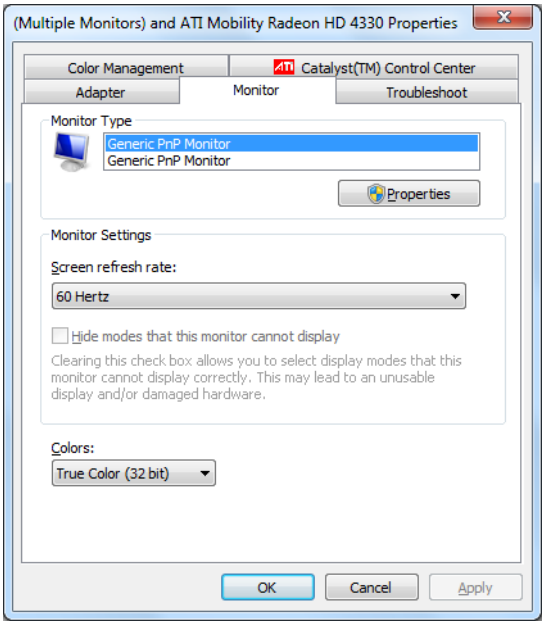
2. Click **Advanced settings**.



3. Under the **Monitor** tab, try to adjust to an applicable screen refresh rate, and then click **OK**.



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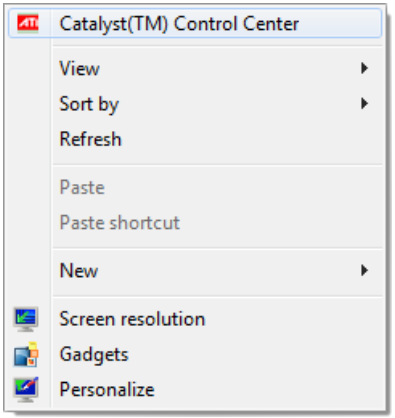
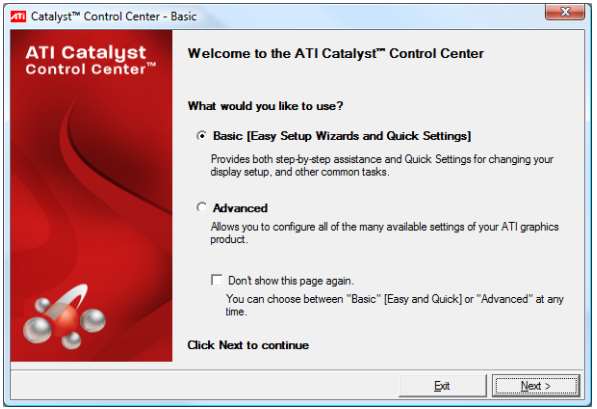
Determining the display settings for the LCD TV

The desktop of your Joybook may not fit into the connected HDMI-capable TV due to different aspect ratio. You can follow the steps below for proper display adjustment.

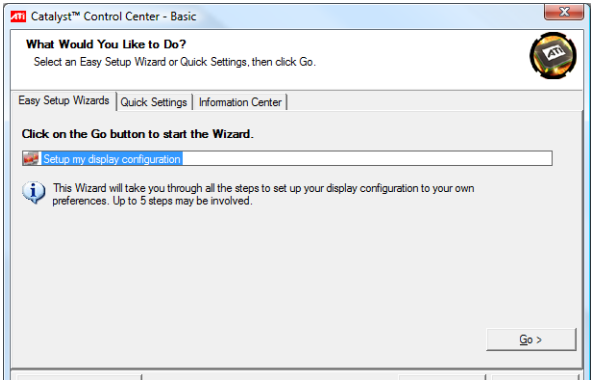
1. Switch the image to the LCD TV by pressing the <Fn> + <F3> hotkey combination until the Joybook desktop is displayed only on the TV screen.
2. On the desktop, right-click to select **Catalyst Control Center**.



3. Select **Basic** and click **Next**.


Catalyst™ Control Center - Basic
ATI Catalyst Control Center™
Welcome to the ATI Catalyst™ Control Center
What would you like to use?
Basic [Easy Setup Wizards and Quick Settings]
Provides both step-by-step assistance and Quick Settings for changing your display setup, and other common tasks.
Advanced
Allows you to configure all of the many available settings of your ATI graphics product.
Don't show this page again.
You can choose between "Basic" [Easy and Quick] or "Advanced" at any time.
Click Next to continue
Exit
Next >

4. Click **Go**.


Catalyst™ Control Center - Basic
What Would You Like to Do?
Select an Easy Setup Wizard or Quick Settings, then click Go.
Easy Setup Wizards
Quick Settings
Information Center
Click on the Go button to start the Wizard.
Setup my display configuration
This Wizard will take you through all the steps to set up your display configuration to your own preferences. Up to 5 steps may be involved.
Go >

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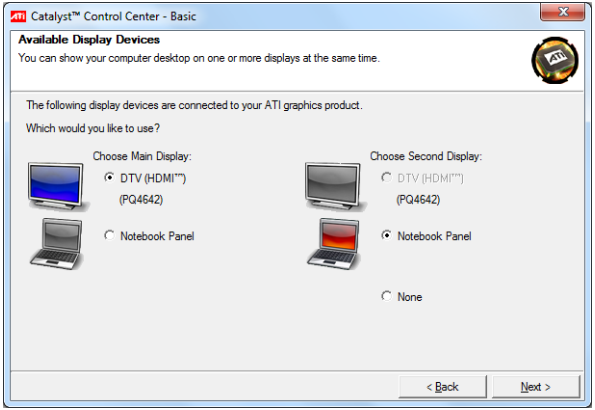
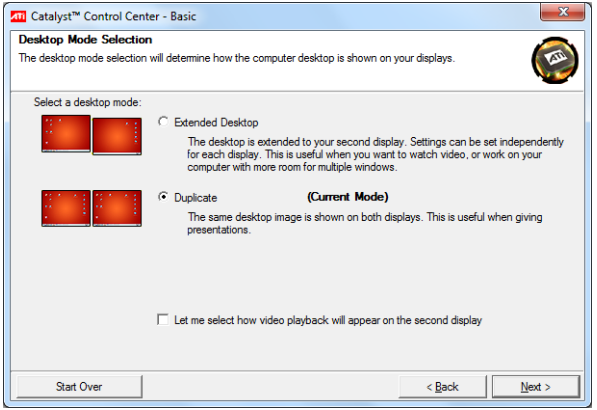
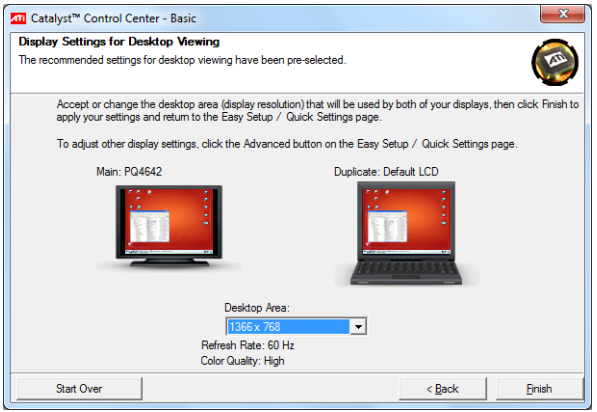
5. Select the main and the second display devices, and then click **Next**.


Catalyst™ Control Center - Basic
Available Display Devices
You can show your computer desktop on one or more displays at the same time.
The following display devices are connected to your ATI graphics product.
Which would you like to use?
Choose Main Display:
DTV (HDMI™)
(PQ4642)
Notebook Panel
Choose Second Display:
DTV (HDMI™)
(PQ4642)
Notebook Panel
None
< Back
Next >

6. Select a desktop mode you wan to use. In this example, select **Duplicate** and click **Next**.


Catalyst™ Control Center - Basic
Desktop Mode Selection
The desktop mode selection will determine how the computer desktop is shown on your displays.
Select a desktop mode:
Extended Desktop
The desktop is extended to your second display. Settings can be set independently for each display. This is useful when you want to watch video, or work on your computer with more room for multiple windows.
Duplicate
(Current Mode)
The same desktop image is shown on both displays. This is useful when giving presentations.
Let me select how video playback will appear on the second display
Start Over
< Back
Next >

7. Click **Finish**.


Catalyst™ Control Center - Basic
Display Settings for Desktop Viewing
The recommended settings for desktop viewing have been pre-selected.
Accept or change the desktop area (display resolution) that will be used by both of your displays, then click Finish to apply your settings and return to the Easy Setup / Quick Settings page.
To adjust other display settings, click the Advanced button on the Easy Setup / Quick Settings page.
Main: PQ4642
Duplicate: Default LCD
Desktop Area:
1366 x 768
Refresh Rate: 60 Hz
Color Quality: High
Start Over
< Back
Finish

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Using the built-in webcam

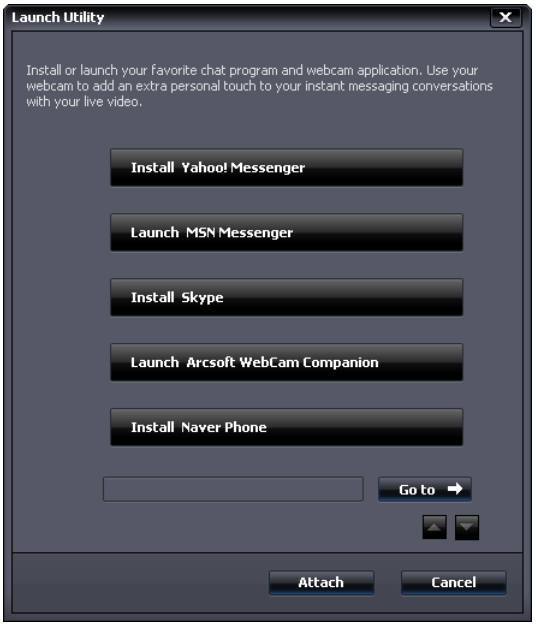
Your Joybook comes with a built-in webcam on the inside top of the lid, above the screen. With the webcam, you can capture still images, record videos, and chat online.

Activating WebCam Companion 3

To launch "WebCam Companion 3", select **Start** > **All Programs** > **ArcSoft WebCam Companion 3** > **Launch Utility.**

You can install a free instant messaging program provided to start video chat online, or activate "WebCam Companion 3" by clicking **Launch Arcsoft WebCam Companion**.

Network connection is required to install or activate a free instant messaging program.


Launch Utility
Install or launch your favorite chat program and webcam application. Use your webcam to add an extra personal touch to your instant messaging conversations with your live video.
Install Yahoo! Messenger
Launch MSN Messenger
Install Skype
Launch Arcsoft WebCam Companion
Install Naver Phone
Go to
Attach
Cancel

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Using WebCam Companion 3

"WebCam Companion 3" features four modules below that helps you get the most out of your webcam.

- **Capture**: allows you to capture still images and record videos from the webcam.
- **Masque**: morphs your face with another face using the selected template.
- **Photo Booth**: allows you to choose different layouts for your photos and customize them.
- **Edit**: allows you to browse and edit previously captured images or recorded videos. You can upload the video clips to YouTube as well.

Options and settings in the Main menu screen differ by module. For more information, refer to Help topics in "WebCam Companion 3", by clicking Extras (at the upper right corner) > **Application Help**, or pressing the <F1> key.

Switching to different modules

On the top left corner of the Main screen in any module, there are two icons that allow you to switch to another module easily.

returns to the Home screen to select other modules.

shows the current module. To switch to another module, click the arrow to display other modules, and select a desired one.

Capturing still images or recording videos

1. Launch "WebCam Companion 3" as instructed in "Activating WebCam Companion 3" on page 37.
2. Select the **Capture** module from the Home screen.
3. On the **Capture** preview screen, you can do the following tasks.
    - **Take Picture**: captures still images from the webcam.
    - **Burst**: captures multiple images in quick succession. The number of images to be captured in each burst can be defined in (**Settings**).
    - **Record Video**: begins capturing video from your webcam.

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By default, image and video files are saved under **Documents** > **WebCam Media** > **Capture**.

- The “Burst” and “Record Video” functions are available when the snapshot resolution is set to 640 x 480 pixels or lower.
- The snapshot resolution is set to 320 x 240 by default. To change the setting, click the arrow next to the resolution and select from the drop-down list.
- You can preview the captured images in the thumbnails area.

The background affects picture clarity and light level, and the resultant image quality.

Using the Masque function

The **Masque** module morphs face with another face. The program detects your eyes, nose, and mouth, and applies them to the template you have selected.

1. Launch "WebCam Companion 3" as instructed in "Activating WebCam Companion 3" on page 37.
2. Select the **Masque** module from the Home screen.
3. Select a template from the left. You can create a new one or modify an existing template as well.
4. Both the selected template and the picture that will be taken are displayed. Adjust the distance between your face and the webcam until the webcam detects your eyes, nose, and mouth by showing 4 red dots in your picture.
5. Click .

By default, the morphed picture is saved under **Documents** > **WebCam Media** > **Masque**.

Photo Booth

You can select and personalize the selected frames added to your pictures.

The **Photo Booth** module provides you with the pose detection function that detects your movement and take pictures automatically once you hold the pose. To activate this function, click .

You can manually take a picture by clicking .

By default, framed pictures are saved under **Documents** > **WebCam Media** > **Photo Booth**.

Video chat

To chat online, select to install or activate a free instant messaging program as instructed in "Activating WebCam Companion 3" on page 37. Follow the on-screen instructions to complete the installation.

Adjusting the screen

If you encounter a flickering screen while using the webcam, try the following steps to adjust the setting.

1. In **Capture**, **Masque**, or **Photo Booth** module, click (**WebCam Settings**).

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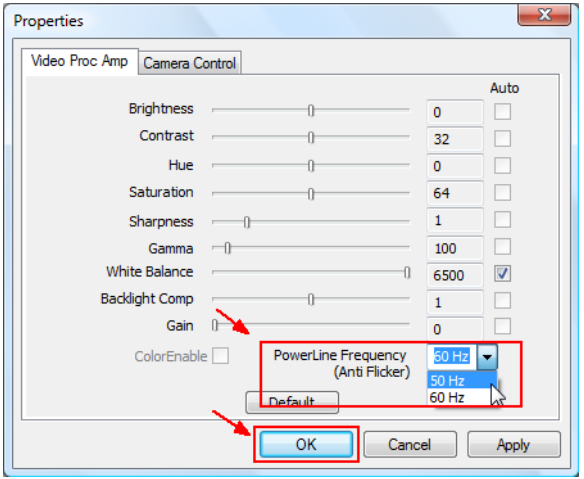
2. Under the **Video Proc Amp** tab, change **PowerLine Frequency** to 50Hz.



Using Magic-i Visual Effects

"Magic-i Visual Effects" automatically launches with the "Capture", "Masque", "Photo Booth" modules, and "Chat" function of "WebCam Companion 3". You can use "WebCam Companion 3" with "Magic-i Visual Effects" to enhance the capture and video chat experience. Use a rich set of effect templates to make images and video chat fun and entertaining.

"Magic-i Visual Effects" is available when the resolution is set to 320 x 240 pixels or lower. Refer to "Adjusting resolution" on page 40 for setup.

Before you start using "Magic-i Visual Effects", click and input the values to change the settings appropriately by dragging the scroll bars. You can also click **Auto** in each setting and the program will set the calculated values automatically. Available settings may vary by module.

When the settings are complete, you are ready to use "Magic-i Visual Effects" by selecting desired options from the left, including **Face Tracking**, **Digital Zoom**, **Filter, Frame**, **Theme**, **Avatar, Enhance**, and **Masque**. For details, click (at the upper right corner) to read the Help file.

Adjusting resolution

When the CPU performance is low, you may need to adjust the resolution to make 'Magic-i Visual Effects' run correctly. Please change the default resolution "320 x 240 (QVGA)" to a lower one. You can select "176 x 144 (QCIF)" or "160 x 120 (SQVGA)".

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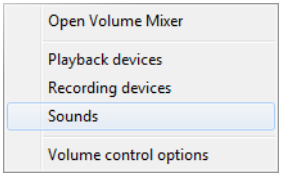
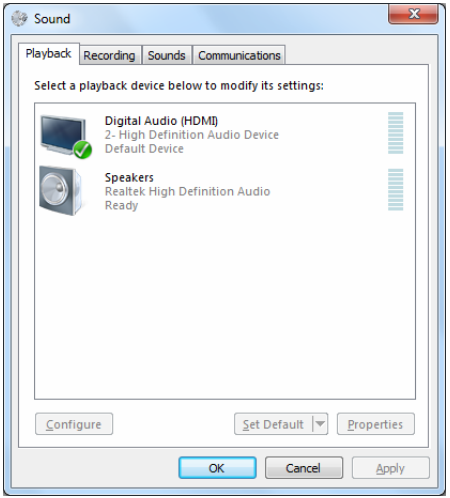
Using SRS

You can enable or disable **SRS TruSurround HD** and **CS Headphone** technologies in the Speakers Properties dialog box:

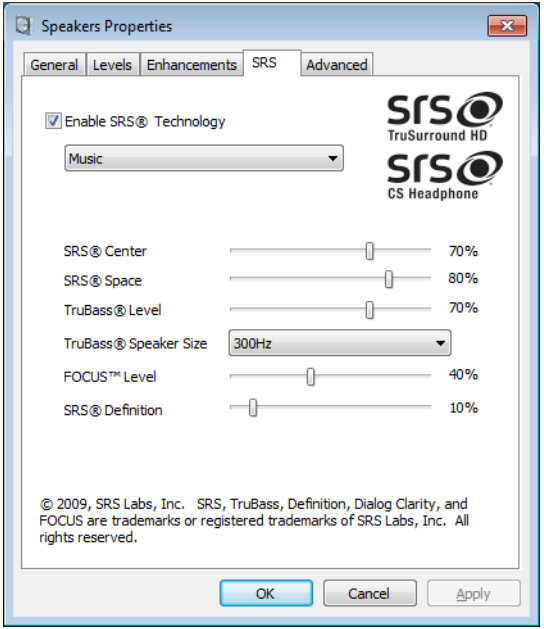
1. Right-click and select **Sounds**.



2. Click the **Playback** tab > **Speakers** > **Properties**.



3. Click the **SRS** tab and customize the options as needed.



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Using BIOS setup

BIOS (Basic Input/Output System) is a layer of software, called firmware, that translates instructions from other layers of software into instructions that the Joybook hardware can understand. The BIOS settings are needed by the Joybook to identify the types of installed devices and establish special features.

BIOS settings are specific to your Joybook hardware. Do NOT change existing BIOS settings unless you are sure they need to be changed, and are aware of the consequences. Any incorrect BIOS settings may degrade the performance, operation and functionality of your Joybook.

For latest BIOS updates, visit http://www.benq.com/support/.

When and how to use BIOS setup

You need to use BIOS setup when:

- You see an error message on the screen requesting you to run BIOS setup.
- You want to restore the factory default settings.
- You want to modify some specific settings according to the hardware.
- You want to modify some specific settings to optimize system performance.

- The BIOS setup screen shown in this chapter is for your reference only. The actual items or settings on your Joybook may differ.
- The BIOS setup program may have been updated after the publication of this manual.
- The settings you select in your operating system might override similar settings in BIOS setup.

To run BIOS setup, press the <F2> key immediately when the BenQ logo appears on the screen during system startup. The logo shows up on the screen for only a few seconds, so you must press the <F2> key at the time.

The BIOS setup screen can be divided into three areas:

- On the top line is the menu bar containing the titles of available menus. Each menu title contains a specific menu.
- The center left column of the menu contains information regarding the current settings of the system. If you open a pull-down menu and select an item that provides multiple options, the left column will display a submenu where you can make further selections.
- The right column of the menu provides:
    - Help information about the current menu selected. When a menu item is highlighted, more detailed information is given.

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• Keyboard instructions for moving around and making selections.

Navigating the BIOS setup screen

Keyboard information can be found on the bottom column of the screen. A brief description of keyboard usage is listed below:

Key	Function
Left and right arrow keys (←, →)	Selects a menu title.
Up and down arrow keys (↑, ↓)	Selects an item or option.
Enter	• Displays the sub-menu when an item with the arrow ▸ sign is selected. • Opens or closes the option window when an item is selected.
Tab	Jumps from one item to another.
Esc	• Exits BIOS setup. • Returns to the previous menu if in a sub-menu. • Closes the options window if one is open.

Main menu

The **Main** menu contains the basic configuration settings of the system and shows some system information, such as the BIOS version, system date/time, system memory, etc.

- **System Time:** allows you to set the time of the system. Type in the value and then press <Enter> to change the next value.
- **System Date:** allows you to set the date of the system. Type in the value and then press <Enter> to change the next value.

Advanced menu

The **Advanced** menu lets you choose either AHCI or Compatibility as the SATA mode.

Security menu

The **Security** menu contains the security settings, which safeguard your system against unauthorized use.

⚠ Do NOT set the BIOS security password without having memorized it or written it down and stored it with your Joybook warranty documentation. Should you happen to forget or mislay the password once set, you will be greatly inconvenienced in gaining subsequent access to your Joybook.

- **Supervisor Password is:** This set of password controls the system supervisor's access to the whole BIOS setup utility. When the status is **Clear**, no password is set.When typing the password, first make sure Num Lock is off, and then type your password in the entry field and press <Enter>. Confirm your password by typing it again and pressing <Enter>. After you confirm the password, the status will change to **Set**.

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- **Password on boot:** When you select **Enabled**, the Supervisor Password is required whenever starting up your Joybook. Select **Disabled** if you do not want to use the Supervisor Password.

Boot menu

The **Boot** menu contains the boot configuration settings of the system and sets the sequence of boot devices. The system will try to boot from the first device. If it is not available, the system will try the next boot device.

a. Use <↑> or <↓> to select a device.

b. Press <F5> or <F6> to move the selected device up or down in the booting sequence.

Exit menu

The **Exit** menu displays ways of exiting BIOS setup. After finished with your settings, you must save and exit so that the new settings can take effect.

- **Exit Saving Changes:** saves the changes you have made and exits BIOS setup. After finishing with your settings, you must save and exit so that the new settings can take effect.
- **Exit Discarding Changes:** exits BIOS setup without saving the changes you have made.
- **Load Setup Defaults:** loads the default values for all the items in the BIOS setup utility.
- **Discard Changes:** cancels all changes you have made.
- **Save Changes:** saves the changes you have made.

It is recommended that you go into BIOS to load manufacture defaults, whenever you have installed new hardware components.

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Recovering your system using QDataTrove

- QDataTrove works on factory-installed Windows operating systems only.
- It is strongly recommended to create Factory Recovery DVD immediately once your Joybook is ready for use. Refer to "Creating a Factory Recovery CD/DVD" on page 49 for details.

Introduction to QDataTrove

Your Joybook may come pre-installed with QDataTrove depending on your purchased model. QDataTrove is an application that allows you to back up your system, restore your system, or burn system image and bundled applications/drivers into discs. In QDataTrove, the following three functional modules are available:

- **Back up**: This function allows you to back up your system drive into a single image file, back up your system drive into discs, or manually create a restore point. For details, refer to "Backing up your system" on page 46.
- **Restore**: This function helps you recover your system with factory default system image or your own backup system image, when the system is abnormal or damaged. It also allows you to restore your system from a restore point, or reinstall bundled applications and drivers. For details, refer to "Restoring your system" on page 48.
- **Create Discs**: This function allows you to create recovery discs from factory default system image or your own backup system image. It also allows you to back up all bundled applications and drivers into a disc. In addition, you can create a bootable USB flash disk. For details, refer to "Creating recovery discs or Application and Driver DVD" on page 49.

- For the reasons below, you may not be able to restore your system using QDataTrove:
  a. On your Joybook, the hidden partition in which the QDataTrove files are saved has been changed.
  b. Your operating system is not pre-installed by the manufacturer.

  You can use the Factory Recovery CD/DVD created (page 49) to restore the system. If you do not have the Factory Recovery CD/DVD, please contact the BenQ Customer Service for assistance. Extra charge may be required if necessary.
- QDataTrove is not intended for backing up personal files, so it cannot help you recover a personal file that has been damaged or deleted. You should regularly back up your personal files and important data using a backup program.
- System recovery is a data destructive process. It is strongly recommended to back up all important data and applications prior to performing the operation.
- Make sure your system is connected to AC Power before using QDataTrove.

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How to launch QDataTrove

You can launch QDataTrove either from Windows Preinstallation Environment (Windows PE) or Windows 7.

Launching QDataTrove from Windows PE only allows you to access partial functions of QDataTrove. To utilize the full functionality of QDataTrove, launch this application from Windows 7 instead.

Launching QDataTrove from Windows PE

1. Start your Joybook.
2. During system startup, press the <Alt> + <F10> keys when you see "Press Alt + F10 to enter QDataTrove 3..." on the upper left part of the screen.
3. After launching QDataTrove, click the **Back up**, **Restore**, or **Create Discs** tab to perform the desired operation.

Launching QDataTrove from Windows 7

1. Start your Joybook and boot into Windows 7.
2. Click **Start** > **All Programs** > **BenQ** > **QDataTrove**. In the **QDataTrove** folder, click **QDataTrove** to launch the application.
   A **User Account Control** window may pop up asking whether you want to run QDataTrove, you need to click **Yes** in order to proceed.
3. After launching QDataTrove, click the **Back up**, **Restore**, or **Create Discs** tab to perform the desired operation.

Using QDataTrove in Windows 7

Backing up your system

- Make sure your system is connected to AC Power before performing the operation.
- A backup file will occupy a large amount of disk space, so make sure there is sufficient free space first. The amount of required space depends on the amount of used space on the C: drive.

Backing up your system into a single file

QDataTrove allows you to back up your system drive (C: drive) into a single image file, by saving it as a Windows Imaging Format (WIM) file. It makes an exact copy of your entire system drive (C: drive), including the operating system, installed software programs, registry settings, etc. To perform the operation, follow the steps below:

By default, backup files will be placed under "D:\BenQ User\System Drive", so make sure your D: drive has sufficient free space.

1. In QDataTrove, click the **Back up** tab.
2. Click the button to select **System Drive Backup - Backup to File**.
3. A **Save As** window pops up. Use the default file name or specify a preferred file name, and then click **Save** to create a system backup file.

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4. A confirmation message appears. To proceed with the operation, click **Yes**.
5. Follow the remaining on-screen instructions to complete the operation.

Backing up your system into a disc

QDataTrove allows you to back up your system drive (C: drive) into CD/DVD discs. It makes an exact copy of your entire system drive (C: drive), including the operating system, installed software programs, registry settings, etc. To perform the operation, follow the steps below:

1. In QDataTrove, click the **Back up** tab.
2. Click the button to select **System Drive Backup - Backup to Disc**.
3. A confirmation message appears. Click **Yes** to restart your Joybook, and it will enter Windows PE automatically to make a system backup image.
4. After backup finishes, the system will boot into Windows 7 automatically. A **Create User Recovery CD/DVD** window appears on the screen.
    a. Select a disc type from the **Disc Category** drop-down menu.
    b. Click **OK** to proceed.

- To use this function, your Joybook must come with a CD/DVD burner. If your model does not come with a CD/DVD burner, use an external CD/DVD burner instead.
- The disc types (CD/DVD) and ability (reading/recording) of the optical drive may vary depending on your purchased model.
- The required number of discs may vary depending on the size of your system image.
- If you want to back up the system to a USB flash disk, see "Creating bootable USB flash disk" on page 51.

5. Follow the remaining on-screen instructions to complete the operation.

Creating a restore point

Restore Points are the earlier states of your Joybook's system drive created by **System Protection** featured in Windows 7 **System Restore**. By default, restore points are created at specific intervals and before significant system events, such as before installing a new software.

Should your system become unstable or encounter unexpected loss of data, you can then try to restore your system drive to its previous state from a list of restore points.

For more information about System Protection, refer to **Start** > **Help and Support** in Windows 7.

QDataTrove allows you to access **Backup and Restore Center** in Windows 7, and manually create a restore point whenever needed. To perform the operation, follow the steps below:

1. In QDataTrove, click the **Back up** tab.

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2. Click the button to select **Create a Restore Point**.
3. To create a restore point manually, click the

button and follow the remaining on-screen instructions to add a new restore point.

Restoring your system

The Restore feature helps to bring your Joybook back to its factory default settings or to an earlier state. In order to restore, you need to back up your system drive, or create a restore point first.

Should your system become unstable or damaged, try to recover your system with the restore solutions provided in this functional module.

Restoring your system to factory default settings

QDataTrove allows you to restore your system drive (C: drive) to the factory default configuration.

1. In QDataTrove, click the **Restore** tab.
2. Click the button to select **Full System Restore - Factory Default Settings**.
3. A dialog box asking whether you wish to adjust the size of disk partition appears.

- If you select "Yes", all programs you installed or data you saved on both the C: drive and the D: drive will be erased.
- If you select "No", all programs you installed or data you saved on the C: drive will be erased. However, data on the D: drive will not be affected.

4. Follow the remaining on-screen instructions to complete the operation.

Restoring your system to your own backup system image

QDataTrove allows you to restore your system drive (C: drive) to a previous state with your own backup system image.

To perform this operation, a backup system image file is required. For details about making your own backup system image, refer to "Backing up your system into a single file" on page 46 or "Backing up your system into a disc" on page 47.

1. In QDataTrove, click the **Restore** tab.
2. Click the button to select **Full System Restore - Backup Image**.
3. An **Open** dialog box appears. Browse to select a backup system image, and then click **Open**.
4. A confirmation message appears. To proceed with the operation, click **Yes**.
5. Follow the remaining on-screen instructions to complete the operation.

Restoring your system from a restore point

QDataTrove allows you to restore your system drive (C: drive) to previous states by restoring from a list of restore points (if available).

To perform this operation, a restore point is required. For details about manually creating a restore point, refer to "Creating a restore point" on page 47.

1. Click the button to select **Restore from a Restore Point**.

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2. A **System Restore** wizard then appears on the screen. Follow the step-by-step on-screen instructions to complete system restore.

For more information about System Restore, refer to **Start** > **Help and Support** in Windows 7.

Reinstalling bundled applications and drivers

QDataTrove allows you to reinstall the applications and drivers that are bundled with the Joybook you purchased.

1. Click the button to select **Reinstall Applications and Drivers**.
2. You can perform the following tasks on the main screen that appears.
   - To install drivers.
   - To install applications.
   - To view information about the applications and drivers that are bundled with your Joybook.
3. Follow the remaining on-screen instructions to complete the operation.

Creating recovery discs or Application and Driver DVD

To use this function, your Joybook must come with a CD/DVD burner. If your model does not come with a CD/DVD burner, use an external DVD burner instead if you wish to create discs.

Depending on your purchased model, your Joybook may come with bundled applications and software programs. If you intend to use discs to restore your system and reinstall the bundled applications and software programs that came with your Joybook, insert the recovery discs and the Application and Drivers DVD created using QDataTrove into the optical drive of (or connected with) your Joybook, and follow the on-screen instructions.

QDataTrove allows you to create the following important discs for your system:

- **Recovery discs**:
  - Factory Recovery CD/DVD
  - User Recovery CD/DVD
- **Application and Driver DVD**
- **Bootable USB flash disk**

Creating a Factory Recovery CD/DVD

You can use QDataTrove to create a recovery disc that includes factory default system image, and a disc that includes applications and drivers that are bundled with your Joybook.

Important:

It is strongly recommended to create Factory Recovery DVD immediately once your Joybook is ready for use.

1. Click the button to select **Create Factory Recovery CD/DVD**.
2. Select a disc type from the **Disc Category** drop-down menu. Click **OK** to proceed.
3. Insert a blank disc when prompted to do so, and then click **Yes**.
4. Select your preferred burning speed, and then click **OK**.

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5. The disc burning process starts. A **Create Factory Recovery CD/DVD** window appears on the screen and displays the current status.

Please note that the burning process cannot be interrupted once started.

6. Continue to create a factory default Application and Driver DVD. Repeat Step 2 to Step 5 to complete the disc burning process.
7. After disc burning finishes (the progress bar shows 100% completion), click ✕ at the upper right corner of the window to proceed.
8. Click **Exit** > **Yes** to leave the application.

Store the discs in a safe place for future use.

Creating a User Recovery CD/DVD

You can use QDataTrove to create recovery discs that include your own backup system image file.

1. Click the button to select **Create User Recovery CD/DVD**.
2. Select a disc type from the **Disc Category** drop-down menu, and then select the source of your system image file in **Source Image**. Click **OK** to proceed.
3. Insert a blank disc when prompted to do so, and then click **Yes**.
4. Select your preferred burning speed, and then click **OK**.
5. The disc burning process starts. A **Create User Recovery CD/DVD** window appears on the screen and displays the current status.

Please note that the burning process cannot be interrupted once started.

6. After disc burning finishes (the progress bar shows 100% completion), click ✕ at the upper right corner of the window to proceed.
7. Click **Exit** > **Yes** to leave the application.

Store the discs in a safe place for future use.

Creating an Application and Driver DVD

You can use QDataTrove to create a disc that includes applications and drivers that are bundled with your Joybook.

1. Click the button to select **Create Application and Driver DVD**.
2. Select a disc type from the **Disc Category** drop-down menu. Click **OK** to proceed.
3. Insert a blank disc when prompted to do so, and then click **Yes**.
4. Select your preferred burning speed, and then click **OK**.
5. The disc burning process starts. A **Create Application and Driver DVD** window appears on the screen and displays the current status.

Please note that the burning process cannot be interrupted once started.

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6. After disc burning finishes (the progress bar shows 100% completion), click at the upper right corner of the window to proceed.
7. Click **Exit** > **Yes** to leave the application.

Store the discs in a safe place for future use.

Creating bootable USB flash disk

You can use QDataTrove to create a bootable USB flash disk to recover your system to the factory settings.

- With QDataTrove you can create bootable USB flash disks only. Other USB storage devices are not recommended for the operation.
- The minimum capacity of your USB flash disk is 8GB. The required space may vary depending on the size of your system image.

1. Connect a USB flash disk to your Joybook.
2. Click the button to select **Create Bootable USB Disk**.
3. Select a connected USB flash disk from the USB device drop-down menu. Select the USB flash disk carefully if you have more than one USB flash disk connected to your Joybook at the same time. All the data stored on the one used for bootable USB flash disk will be erased.
4. If there is sufficient space on the select USB flash disk, you can click **OK** to proceed.
5. Wait for the bootable USB flash disk to be ready (the progress bar shows 100% completion), and then click at the top right corner of the window to proceed.
6. Click **Exit** > **Yes** to leave the application.

Store the USB flash disk in a safe place for future use.

For more information about how to use QDataTrove, refer to the online help.

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Protecting your Joybook from viruses and other security threats

Your Joybook may come pre-installed with an anti-virus software, which can help you avoid unexpected destruction of your precious data in the Joybook and keeps your privacy against any unauthorized access from other computers.

The anti-virus software protects your computer against Internet threats, such as viruses, Spyware, hackers, and spam. In addition, you can secure your personal information, block unwanted web sites, and check e-mail for viruses.

However, we would still recommend that you back up your data regularly on CDs, DVDs, or other external storage device, since the anti-virus software may not be able to intercept all existing and new viruses, which may lead to destruction of all or some of your data in the Joybook.

For more information about how to use the anti-virus software installed, refer to the online help that comes with the software.

Furthermore, it is also recommended to set Windows to automatically install important updates for your Joybook. Important updates can bring you significant benefits, such as improved security and reliability.

For more information about how to use Windows Update, refer to **Start** > **Help and Support** in Windows 7.

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Upgrading or replacing the memory

You can replace the existing memory module with a higher-capacity one. Before you upgrade or replace memory, please check on the BenQ web site to determine the module which can be used, or contact BenQ distributor or customer service center. It is recommended that you take your Joybook to the BenQ distributor or customer service center for the upgrade or memory replacement.

For details about the limit of maximum memory, refer to the product information from http://www.BenQ.com.

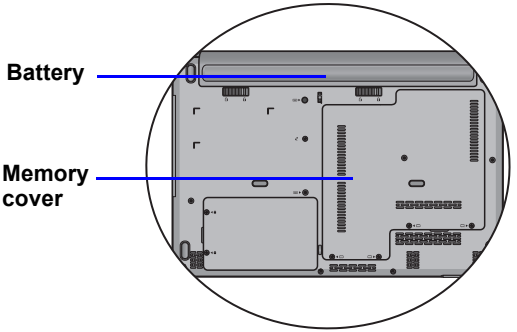
To find out the types of BenQ certified memory modules for your Joybook, try the steps below:

1. Connect to BenQ Online Service and Support (http://www.benq.com/support/).
2. Click **Knowledge Base**.

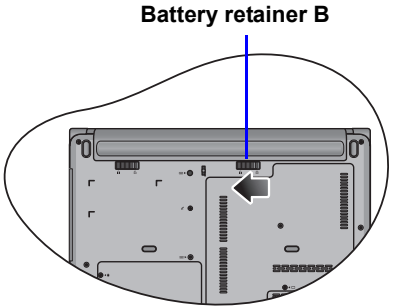
The website layout and content may vary by region/country.

- If you install an uncertified memory module, your system may not work properly.
- Your Joybook may come with a built-in memory module pre-installed on the motherboard. If you want to have it replaced, please contact your dealer for assistance. Do not replace it yourself to avoid voiding the warranty.
- It is the sole responsibility of the user if problems (such as data loss and system failure) occurred due to non-factory installed software, parts, and/or non-original accessories.

1. Shut down your Joybook completely. Disconnect the power adapter and turn over your Joybook.



2. Slide “Battery retainer B” to the left to its unlock position.



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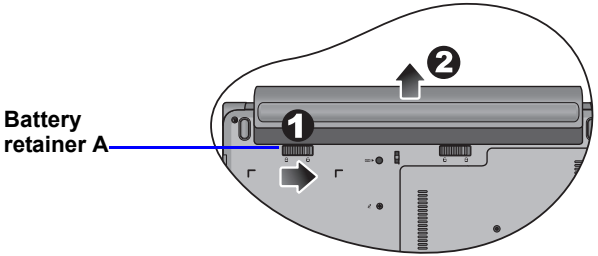
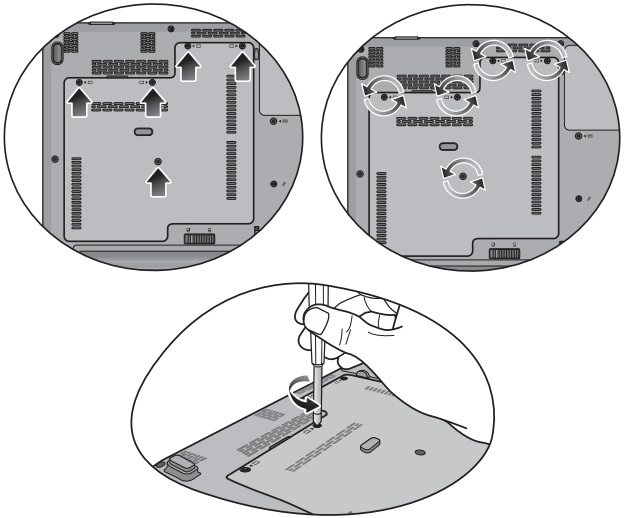
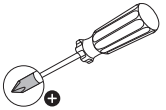
3. Slide “Battery retainer A” to the right (1) and, while still holding the retainer, remove the battery from its compartment (2).



4. The memory cover is secured with several screws (indicated by the arrows shown below). Use a screwdriver to remove them.



To remove the screws, a small Phillips head screwdriver is required.



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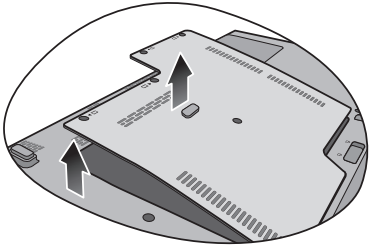
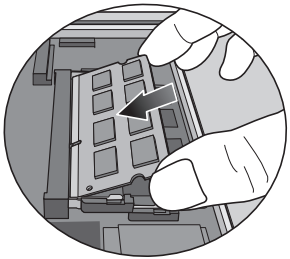
5. Remove the back cover.

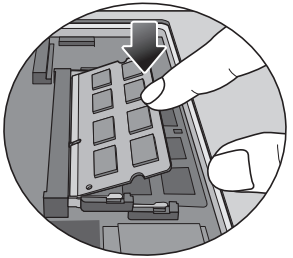


Ground yourself to your Joybook with professional grounding equipment like an anti-static wristband, or touch the metal surface on the inside of your Joybook to discharge any static electricity.

6. Align the memory module with the slot, and then insert it. When inserting, pay attention to the direction of the memory module.



7. Push the memory module in place.



- Handle the memory module by its edge and avoid touching the contacts.
- Gently push the free edge downwards until the module locks into place.
- If the memory module is not installed properly, your Joybook may not boot properly.
- If you want to release the existing memory, push aside the memory holders and remove the memory.

8. Replace the memory cover.
9. Use a screwdriver to secure the cover with the screw.
10. Place the battery on its original position (1), and then slide "Battery retainer B" to the left (2). Connect the power

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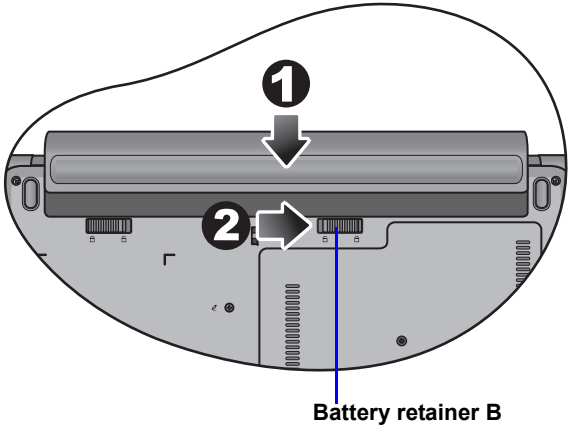
adapter. When you start the Joybook, it will automatically test and configure the new memory.



It is recommended that you go into BIOS to load setup defaults after installing additional memory. For details, refer to "Using BIOS setup" on page 42.

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FAQ and troubleshooting

The chapter describes situations that you may encounter during use of the Joybook, along with basic troubleshooting steps. If you are not able to resolve the issue, contact a nearest BenQ service center for assistance immediately.

Battery and power

? How long should I charge the battery for the first time?

☞ The length of the charging time may vary. Check the battery icon in the notification area located in the lower right corner of the desktop to see if the battery is fully charged.

? My Joybook won't start up with the battery inserted. What should I do?

☞
- Make sure the battery is properly inserted.
- Make sure the battery is fully charged. If this does not work, consult your BenQ dealer.

? What should I do with the battery if I will not use my Joybook for a long time?

☞ Recharge the battery or discharge it to about 40% full, and then store it in a dry place at about 15°C to 25°C. Extremely high or low temperature will shorten the battery life.

? The battery icon in the notification area on my Joybook suggests that the battery is fully charged. However, when I check it from the Power Manager in Windows, the battery level is only about 95%-99%. Why?

☞ It is the result of the battery protection design of your Joybook. When the battery icon in the notification area on your Joybook shows the battery is fully charged, it means that the battery has reached a saturated voltage: 95%~99%. At this moment, the voltage difference detected by your Joybook is very small, so it will reduce the charging current to prevent overcharging the battery with excess current or voltage, which will damage the battery. Moreover, in order to protect the battery from exposing to high voltage and current for a long time during charging, the battery has been equipped with a protection circuit that will charge the battery at low current in the final phase.

? How come my notebook is not fully charged even after a full night charge?

☞ Make sure the Joybook is receiving power. Is the power cord plugged in correctly? If the battery is installed in the Joybook and it is properly connected to an AC outlet, check if the battery meter icon is showing a charge sign. If this does not fix the problem, then the battery, the power source in your Joybook, or the AC power cord may be defective. Consult your BenQ dealer for help and maintenance.

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What should I do if the battery gets hot in my Joybook?

Take the battery out and let it cool down for a while. If the problem persists when the battery is inserted again into your Joybook later, the battery could be defective and it may need to be replaced. Consult your BenQ dealer for help and maintenance.

I have pressed the Power button, but my Joybook cannot start up.

Check the Power button indicator.

- If it is not lit up, your Joybook is not being supplied by power, either from an external power source via the power adapter or from the battery pack. Make sure you have connected the power adapter correctly to the power jack of your Joybook and a working electrical outlet, so the battery can start charging.
    - If the Power button indicator lights up in blue, the Joybook is being supplied normally with power, meaning that the problem lies elsewhere.
    - If you have added or replaced any hardware, check if it has been installed correctly.
    - It is possible that certain operating system files are damaged or missing. If so, you may need to back up all your data first, and then recover your system. Refer to "Recovering your system using QDataTrove" on page 45 for details.

Why does the battery on my Joybook seem to last shorter and shorter?

It is normal for Lithium-ion (Li-ion) batteries to decline in capacity over time.

Connection

What is a Wireless LAN (WLAN)?

A WLAN is a type of Local Area Network (LAN) that uses high frequency radio waves rather than wires to communicate and transmit data among nodes. It is a flexible data communication system implemented as an extension to, or as an alternative for, a wired LAN within a building or campus.

I cannot connect to the Internet with the built-in network interface on my Joybook. Why?

Check if the network has a fixed MAC address. Contact your network administrator for further solutions.

When connecting to a local network, the connection is unstable. Why?

The instructions below will guide you through the troubleshooting process.

1. Click **Start**.
2. Right-click **Computer** and select **Properties** > **Device Manager**.
3. Double-click **Network adapters**. When the name of the network adapter of the Joybook appears, double-click on it.

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4. The Properties window will pop up. Click the **Advanced** tab, and then click the **Speed & Duplex** item on the left.
5. Select the appropriate mode according to the settings of your LAN service from the **Value** drop-down menu on the right, and then click **OK**.

   If the situation persists, press <Fn> + <F12> and turn on Bluetooth only to disable WLAN to reduce interference of different network connection modes.

I have a problem setting up wireless network.

Please follow the instructions below to resolve the problem:

- Have you enabled the WLAN function of the Joybook? Make sure the **Wireless LAN (WLAN) / Bluetooth** switch is on and press <Fn> + <F12> to enable WLAN.
- Click **Start** > **Control Panel** > **Network and Internet** > **Connect to a network**. Make sure the connection status is connected and with appropriate signal strength. If you do not see the connection status, make sure your wireless device is set up correctly so your Joybook can receive the signal.
- Make sure your wireless router or access point is broadcasting the SSID. Refer to your wireless device's documentation for enabling this broadcasting feature.

System

How should I resolve the "Low on Disk Space" or "Out of Disk Space" error messages?

Windows uses disk space for operations, such as caching and virtual memory. The Joybook may not run reliably if the free space of the hard disk drops under 100MB or 200MB. The following instructions will help you free up the disk space.

1. Click **Start** > **Computer**.
2. Right-click the hard disk icon and then select **Properties**.
3. Observe how much free space is on the hard disk.
4. To free up the space of your hard disk, click **Disk Cleanup** and follow the on-screen instructions to proceed.

How do I update the driver?

Please visit BenQ Online Service and Support (http://www.benq.com/support/) to search for driver updates.

My system is running very slow. How can I improve the performance?

System resources are the amount of memory and hard disk space that your Joybook can use, which may degrade over time and affect the system performance. However, you can still improve the system performance by using the methods below:

- Close all open programs not being used. Use software programs that are absolutely necessary. Try running virus scans and other tools when you are not using your Joybook. Closing software programs that are not necessary helps your system performs more efficiently.
- Prevent background software programs from loading. As software programs load the small icons in the notification area located in the lower right corner of the desktop, they will be running in the background and each one consumes valuable system resources. You can follow the steps below to prevent application programs from running when Windows launches:

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1. Press + **R** to display the **Run** dialog box.
2. Type "msconfig" in the **Open** field. The system configuration utility will appears.
3. Click the **Startup** tab, and then uncheck any task that is unwanted.
4. Click **Apply** > **OK**. Restart your Joybook.

- Remove programs from the Startup folder. Removing programs from the Startup folder also helps prevent programs from running when Windows starts up. To do so, follow the steps below:
  1. Right-click anywhere in the open area on the desktop and select **New** > **Folder**. Give the folder a name. This folder will be used later.
  2. Click **Start** > **All Programs**.
  3. Right-click **Startup** and select **Open**.
  4. Right-click any icon in the folder and then select **Properties**. The information about the icon will appear.
  5. You may decide if the program is necessary to be kept in the **Startup** folder. Select unwanted program icons, right-click on them and select **Cut**.
  6. Close the open windows to return to the desktop.
  7. Open the folder created in Step 1.
  8. Select the **Edit** and **Paste** commands in the folder window. The icons that were cut from the **Startup** folder are now placed in the folder.
  9. Restart the Joybook. The programs removed from the **Startup** folder will no longer run when Windows starts. However, you can still run them by double-clicking their icons in the folder created in Step 1.
- Empty the **Recycle Bin**. You can free up disk space by clearing files you no longer need from the **Recycle Bin**. To do so, right-click the **Recycle Bin** icon on the desktop and select **Empty Recycle Bin**.
- Delete temporary files and directories. This will increase the disk space of your hard disk, and reduce the time Windows takes to access the hard disk. It will also help solve problems associated with spooling print job.
  1. Close all running programs.
  2. Click **Start** > **All Programs** > **Accessories** > **System Tools** > **Disk Cleanup**.
  3. Check the types of files you want to delete (temporary files are safe to delete).
  4. Click **OK**.
- Use the **Scan Disk** and **Defragment** functions. The **Scan Disk** function checks a hard disk for errors, while the **Disk Defragment** function takes all the scattered bits of program data and groups them back together in the front of the drive.
  1. Click **Start** > **Computer**.
  2. Right-click the hard disk's icon and select **Properties**.
  3. Click the **Tools** tab and then the **Check Now** button.
  4. Check all checkboxes in the dialog that follows.
  5. Click **Start**.
  6. Restart your Joybook. It may take a long time to complete.

To run **Disk Defragmentation** in Windows 7:

1. Close all running software programs.

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2. Right-click the hard disk's icon and select **Properties**.
3. Click the **Tools** tab and then the **Defragment Now** button.
4. Click the **Defragment Now** button. It may take a long time to complete.

If **Disk Defragmenter** start itself over and over, it means that some hidden background software program is still accessing the hard disk. Restart your Joybook and try again.

? USB devices quit working unexpectedly in Windows 7. Why?

☞ This is because USB devices, such as cameras, scanners, or printers, lose its connection and stop working unexpectedly. Please follow the steps below to resolve the problem:

1. Click **Start**.
2. Right-click **Computer** and select **Properties** > **Device Manager**.
3. Double-click the **Universal Serial Bus controllers** branch to expand it.
4. Right-click **USB Root Hub**, and then click **Properties**.
5. Click **Power Management**.
6. Deselect **Allow the computer to turn off this device to save power**.
7. Repeat Step 4 to Step 6 for each USB Root hub.
8. Click **OK**, and then close **Device Manager**.

? Why does the keyboard and/or palm rest get warm?

☞ Typically, the Joybook tends to be warm slightly. The location of the hard disk is typically underneath the palm rest and as a result, the palm rest gets warm. The location of the processor is typically underneath the keyboard. And since the heat rises, the keyboard may get warm slightly. Since your Joybook has a thermally controlled fan, when the CPU and/or internal temperature of the Joybook reaches a certain temperature level, the fan is turned ON and stays ON until the temperature drops to a pre-defined level.

? There is no sound coming from the speakers.

☞ Verify the following:

- The speakers may have been muted. Check the volume control (speaker icon) in the notification area located in the lower right corner of the desktop to see if the volume has been muted. If so, please restore the volume.
- The speakers may have been turned off. Use the <Fn> + <F7> hotkey combination to turn them on.
- The volume may have been set too low. Use the <Fn> + <F9> hotkey combination to increase the volume.
- An earphone or external speakers may have been connected to the audio output jack, turning off the Joybook's built-in speakers automatically.

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? Why is the hard disk capacity displayed by the OS different from its nominated capacity?

☞ You may have discovered that the capacity of a 10GB hard disk becomes 9GB when displayed from the OS, and 20GB becomes 19GB, etc. The bigger the capacity, the bigger the difference. It is because hard disk manufacturers and OS developers calculate hard disk capacity in different ways. As a result, the nominated capacity is different from the exact capacity displayed by the OS.

Calculation of hard disk capacity by hard disk manufacturers	Calculation of hard disk capacity by OS developers
1GB=1,000MB 1MB=1,000KB 1KB=1,000 bytes	1GB=1,024MB 1MB=1,024KB 1KB=1,024 bytes

Example of a 40GB hard disk:

Calculation by hard disk manufacturers	Calculation by OS developers
40GB=40,000MB =40,000,000KB =40,000,000,000 bytes	40GB=40,960MB =41,943,040KB =42,949,672,960 bytes

Exact capacity of a 40GB hard disk displayed in the OS:

40,000,000,000÷1024÷1024÷1024=37.2529 (GB).

Furthermore, when a hard disk is partitioned, the system will reserve some space on the drive for system files. Therefore, the total capacity of a hard disk displayed by the OS will never be the same as its nominated capacity.

? I hear noise when connecting an earphone to the Joybook.

☞ Verify the following:

- Connect the earphone to other devices, such as a radio to see if you can still hear that noise. If the noise persists, the earphone may be out of order.
- If you can hear the noise only when inserting, it is the result of high instantaneous current. It is a normal phenomenon.

? How can I reduce the wearing of the screen hinge when I lift up the lid of my Joybook?

☞ Please open/close the lid gently and slowly with both hands. Apply force evenly on both hands to reduce hinge wearing and prevent deformation or breaking of hinge due to uneven force.

? What should I do if a program in Windows freezes?

☞ If your system freezes, press the <Ctrl> + <Alt> + <Del> keys simultaneously, click **Start Task Manager**. Under **Windows Task Manager**, click the **Applications** tab, and then click on the application that freezes and click **End Task**.

? Why is my Joybook running so hot? Is it normal?

☞ Yes. Because all the hardware is in such cramped quarters, it tends to get hot. To prevent overheating, do not obstruct the

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vents. For example, do not use the Joybook in bed where a blanket may inadvertently cover the vents and block the airflow.

Why does my Joybook seem to turn off itself after a certain period of inactivity?

This is the default setting of the Joybook to conserve battery power. The Joybook is configured to use the power saving feature. You can go to **Start** > **Control Panel** > **System and Security** > **Power Options** to select your preferred power plan.

Should I drain the battery of my Joybook every time before charging to retain its capacity?

No. Your Joybook comes with an Lithium-ion (Li-ion) battery pack. This is one of the newest cell types available. It is also the lightest battery type currently available on a commercial basis and can provide more power than other main cell types. There are no known problems of memory effect with this battery type and it is the easiest battery type to be maintained.

Display

There is nothing visible on the screen.

Check the Power button indicator.

- If it is not lit up, no power is being supplied to the Joybook. Connect the power adapter and restart the Joybook.
- If it blinks in blue, the Joybook has entered Sleep mode in order to conserve power. You can press the Power button to resume from Sleep mode.
- If it lights up in blue, the Joybook is being supplied normally with power. There are two possible causes for the problem.
  - The screen's brightness may have been set too low. Use the <Fn> + <F5> hotkey combination to increase the brightness.
  - The display may have been switched to use an connected external display device. Use the <Fn> + <F3> hotkey combination to switch the display back to the Joybook or to use simultaneous display.

When I connect the Joybook to an external monitor, the display is abnormal.

The instructions below will guide you through the troubleshooting process.

- Use the <Fn> + <F3> function key combination to make external video signal enabled.
- Refer to the user manual that came with the external monitor to check the settings.
- Connect the VGA cable to the Joybook and reboot the system. If there is no display on the external monitor after system reboot, connect the Joybook to a standard VGA monitor, and wait until you can see things properly on that VGA monitor. Then, connect the target display to the Joybook again.

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How can I judge if my LCD panel is out of order and what should I do if this happens?

If your Joybook cannot display images at the default resolution, please visit the BenQ web site to download and update the latest Joybook display drivers.

Contact your BenQ dealer if you encounter the following situations:

- The screen flickers when the system starts up normally.
- Fonts displayed on the screen are unclear and strange codes appear.
- There is no display when the hard disk is running normally.
- Colors on the screen are strange and turn into white.
- Vertical or horizontal lines appear on the screen.
- When playing a media file using Windows Media Player, the frame speed is abnormal.
- The sound changes while the screen remains the same when playing games.

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Cleaning and battery maintenance

Battery maintenance

1. Fully charge/discharge battery up to 4 cycles before achieving full capacity of a new battery.
2. Fully discharge and then fully charge the battery every two to three weeks for battery conditions.
3. Remove from the device and stored in a cool, dry, clean place if the battery will not be in use for a month or longer and recharge the battery after a storage period.
4. Do not short-circuit. A short-circuit may cause severe damage to the battery.
5. Do not drop, hit or otherwise abuse the battery as this may result in the exposure of the cell contents, which are corrosive.
6. Do not expose the battery to moisture or rain.
7. Keep battery away from fire or other sources of extreme heat. Do not incinerate. Exposure of battery to extreme heat may result in an explosion.
8. Do not use power adapters other than the one provided with the Joybook.
9. Do not place the battery within reach of children.
10. Follow the local laws governing the disposal of batteries. As far as possible, submit used batteries to be recycled.
11. Use of improper batteries, or attempting to disassemble a battery, may result in explosions. Follow vendor recommendations in using batteries of the identical or equivalent type as replacements for worn-out batteries.

Cleaning your Joybook

When cleaning the Joybook, follow the steps below:

1. Turn off the Joybook, disconnect the power adapter, and remove the battery.
2. Use a damp cloth to wipe the outer surface of the Joybook. Do not apply liquid or spray cleaners directly on the Joybook.
3. Do not use cleaners containing alcohol or acetone. Instead, use cleaning fluids specially formulated for LCD screens.

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Service and support

BenQ Joybook Global Online Service

Welcome to BenQ Joybook Global Online Service (http://www.benq.com/support/). In order to ensure you an enjoyable experience with your Joybook, the following supports are provided so you can get assisted whenever and wherever you are.

- **Support**: Here you can select the country/region you are located in, and visit the specific support web site.
- **Knowledge Base**: Contains answers to frequently asked questions about the Joybook as well as additional tips.

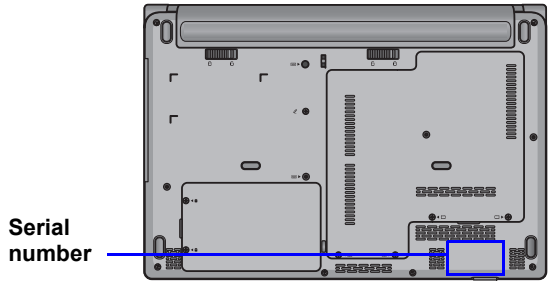
You can access **Contact Us** to directly contact BenQ Customer Service for answers and advice to your questions. You can also obtain the information about the BenQ service stations in your country.

The website layout and content may vary by region/country.

Joybook Overseas Regional Warranty (ORW) online registration

Register now to get free product news and latest information about BenQ! To register, follow the steps below:

1. Refer to the illustration below to locate the 13-digit product serial number on the bottom side of your Joybook and write it down.



2. Connect to http://service.benq.com/orw/joybook
3. Click **Register Now** to begin with registration and follow the instructions on the screen to proceed.

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Safety instructions for Poland, Romania, Slovenia, Bulgaria, Latvia, and Croatia

Polski

1. Należy upewnić się, że zastosowano się do wszystkich instrukcji i ostrzeżeń dotyczących systemu.
2. Nie należy umieszczać komputera w miejscach oddziaływania silnych pól magnetycznych.
3. Ostrzeżenie: Nieprawidłowa wymiana baterii może spowodować jej wybuch. Baterię można wymienić wyłącznie na baterię tego samego lub zamiennego typu zalecanego przez producenta urządzenia. Zużyte baterie należy usuwać zgodnie z instrukcjami producenta.
4. Podłącz zasilacz do prawidłowego źródła zasilania. Wymagania dotyczące zasilania znajdują się na obudowie produktu i/lub na opakowaniu.
5. Nie należy używać zasilacza jeśli przewód jest uszkodzony.
6. Nie należy próbować naprawiać urządzenia. Wewnątrz nie ma części, które można naprawiać. Urządzenie należy wymienić, jeśli zostanie uszkodzone lub narażone na oddziaływanie nadmiernej wilgoci.
7. Nigdy nie należy instalować kabli telefonicznych podczas burzy z wyładowaniami atmosferycznymi.

România

1. Asigurați-vă că respectați toate instrucțiunile şi avertismentele privitoare la sistem.
2. Nu plasați computerul într-o zonă cu puternice câmpuri magnetice.
3. Pericol de explozie dacă bateria este incorect înlocuită. Înlocuiți numai cu acelaşi tip sau cu un tip echivalent recomandat de producătorul echipamentului. Aruncați bateriile folosite în conformitate cu instrucțiunile producătorului.
4. Conectați adaptorul la o sursă de tensiune corectă. Cerințele privind tensiunea se găsesc pe carcasa produsului şi/sau pe ambalaj.
5. Nu folosiți adaptorul dacă se defectează cordonul.
6. Nu încercați să depanați aparatul. În interior nu există componente depanabile. Înlocuiți aparatul dacă acesta se deteriorează sau este expus la umezeală în exces.
7. Nu instalați niciodată cablu telefonic în timpul unei furtuni cu fulgere.

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Slovensko

1. Glede sistema sledite navodilom in opozorilom.
2. Raèunalnika ne postavljajte na mesta z moènim magnetnim poljem.
3. V primeru nepravilne namestitve akumulatorja obstaja nevarnost eksplozije. Nadomestite ga le z isto ali ekvivalentno vrsto, priporoèeno s strani proizvajalca opreme. Rabljen akumulator odstranite skladno z navodili proizvajalca.
4. Adapter spojite na primeren vir napajanja. Napetostne zahteve so navedene na ohišju izdelka in/ali njegovi embalaži.
5. V primeru, da je napajalni kabel poškodovan, adapterja ne uporabljajte.
6. Ne postopajte se popravljanja enote. Znotraj ni nobenih delov, ki bi jih bilo moè popraviti. Èe je enota poškodovana ali izpostavljena visoki vlagi, jo nadomestite z novo.
7. Nikoli ne namešèajte telefonske linije med nevihto z grmenjem.

Български

1. Следвайте всички инструкции и предупреждения относно системата.
2. Не слагайте компютъра на място със силно магнитно поле.
3. Опасност от експлозия при погрешна смяна на батерията. Използвайте само същия или еквивалентен тип батерия, препоръчан от производителя на оборудването. Изхвърляйте старите батерии съгласно инструкциите на производителя.
4. Свържете адаптера към подходящ източник на захранване. Изискванията към напрежението са посочени на корпуса на продукта и/или опаковката.
5. Не използвайте адаптера, ако кабелът се повреди.
6. Не се опитвайте да поправяте продукта. В него няма части, които могат да се поправят. Сменете продукта, ако се повреди или ако бъде изложен на прекомерна влага.
7. Никога не инсталирайте телефонни кабели по време на гръмотевична буря.

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Latviski

1. Sekojiet visām sistēmai atbilstošajām norādēm un brīdinājumiem.
2. Nenovietojiet datoru tuvu spēcīgiem magnētiskajiem laukiem.
3. Nepareizi nomainīts akumulators var uzsprāgt. Mainiet akumulatoru tikai pret tādu pašu vai līdzvērtīgu ražotāja ieteiktu akumulatoru. Utilizējiet izlietotos akumulatorus saskaņā ar ražotāja norādēm.
4. Pievienojiet adapteri atbilstošai strāvas padevei. Strāvas padeves parametrus Jūs varat atrast uz produkta korpusa un/vai iepakojuma.
5. Nelietojiet adapteri, ja ir bojāts tā vads.
6. Nemēģiniet labot iekārtu pašrocīgi. Detaļu bojājumu gadījumā vai arī, ja tā bijusi pakļauta mitruma ietekmei, griezieties autorizētā servisa centrā.
7. Nekad nelietojiet un neveiciet telefona līnijas pieslēgumu negaisa laikā.

Hrvatski

1. Pridržavajte se svih uputa i upozorenja u vezi sa sustavom.
2. Ne postavljajte računalo u područje jakih magnetskih polja.
3. Nepravilna zamjena baterije izazvat će opasnost od eksplozije. Prilikom zamjene, koristite istu ili ekvivalentnu vrstu baterije koju je preporučio proizvođač. Rabljene baterije odložite prema uputama proizvođača.
4. Mrežni prilagodnik priključite na odgovarajući izvor napajanja. Propisani napon naveden je na kućištu proizvoda i/ili pakiranju.
5. Ne koristite mrežni prilagodnik kojem je oštećen kabel.
6. Ne pokušavajte servisirati uređaj. U uređaju se ne nalaze dijelovi koje možete popraviti. Uređaj zamijenite u slučaju oštećenja ili izloženosti prekomjernoj vlazi.
7. Nikada ne instalirajte ožičenje telefona za vrijeme grmljavine.

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Appendix

General safety information

When setting up or operating your Joybook, please pay special attention to the following:

1. Keep this manual in a safe place for easy reference when needed.
2. Make sure you follow all instructions and warnings related to the system.
3. Place your Joybook on a stable, level surface, and ensure that the vents are not obstructed.
4. Do not expose your Joybook to rain or excess humidity, and keep it away from liquids (such as beverages, faucets, and so on).
5. Do not expose your Joybook to direct sunlight, and keep it away from sources of heat (such as radiators, space heaters, stoves, and so on).
6. Do not expose your Joybook to heavy impacts or strong vibrations. When closing the Joybook, do not use excessive force.
7. Do not use your Joybook near a gas leak.
8. Do not store your Joybook in environments where the temperature is below 0°C or above 50°C, nor use your Joybook in environments where the temperature is below 5°C or above 35°C. Otherwise system performance will be adversely affected.
9. Do not use your Joybook near water, for example near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
10. Do not place the Joybook in the vicinity of strong magnetic fields.
11. Use an appropriate electrical outlet, and make sure no heavy objects are placed on the power adapter or power cord.
12. The power adapter is a high-voltage component. Do not attempt to repair it yourself. Should it become damaged, please contact an authorized BenQ distributor or service center.

Safety information about the battery

Caution: There is a high risk of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the battery equipment manufacturer. Discard used batteries according to battery manufacturer's instructions.

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Safety information about the power adapter

- Use only the power adapter supplied with your Joybook. Use of another type of power adapter will result in malfunction and/or danger.
- Do not use the adapter in a high moisture environment. Never touch the adapter when your hands are wet.
- Allow adequate ventilation around the adapter when using it to operate the device or charge the battery. Do not cover the power adapter with paper or other objects that will reduce cooling. Do not use the power adapter while it is inside a carrying case.
- Connect the adapter to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the adapter if the cord becomes damaged.
- Do not attempt to service the adapter. There are no service parts inside. Replace the unit if it is damaged or exposed to excess moisture.

Disposal of Waste Electrical and Electronic Equipment by users in private households in the European Union.

This symbol on the product or on the packaging indicates that this can not be disposed of as household waste. You must dispose of your waste equipment by handing it over to the applicable take-back scheme for the recycling of electrical and electronic equipment. For more information about recycling of this equipment, please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment.

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Declaration of Conformity CE

For the following equipment:

Type of Equipment:

Notebook PC

Brand name or mark:

BenQ

Model designation(s)/Model no(s):

Joybook R48 Series; DH1401

Company name, address, telephone & fax no.

Name: BenQ Europe B.V.

Ekkersrijt 4130, 5692 DC Son Address:

The Netherlands

TEL/Fax: +31 (499) 750 500 /+31 (499) 750-599

is herewith confirmed to comply with the requirements set out in the Council Directives on the Approximation of the Laws of the Member States relating Electromagnetic Compatibility (2004/108/EC) and Low Voltage Directive (2006/95/EC) and Radio and Telecommunications Terminal Equipment Directive (1999/5/EC), the Restriction of The Use of Certain Hazardous Substances in Electrical And Electronic Equipment Directive (2002/95/EC), Turkish EEE Directive, the Commission Regulation (EC) No 1275/2008 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment, and the Directive 2009/125/EC of the European parliament and of the council establishing a framework for the setting of ecodesign requirements for energy-related products. For the evaluation regarding the electromagnetic compatibility, the following standards were applied:

EN 55022

EN 55024

EN 60950-1

ETSI EN 300 328

ETSI 301 489-1/-17

EN 62311

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